

T&R MANUAL, TACCO

CHAPTER 3

TACTICAL AIR COMMAND CENTER OFFICER (TACCO)
(MOS 75XX)

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300. INTRODUCTION

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop UNIT warfighting capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels in order to accomplish their wartime mission. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, *Unit Training Management Guide*, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance your understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Unit T&R and the individual T&R programs are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills that enable units to satisfy the requirements.

301. CORE COMPETENCIES/SKILLS

1. Core competency serves as the foundation of the T&R program. Core competencies are those core capabilities and skills which support the Mission Essential Tasks (METL) derived from and T/O mission statements, which are realistically expected to be assigned in combat.

2. Mission. Function as the senior MAGTF air command and control agency and serve as the operational command post for the ACE commander and his battle staff.

3. Mission Essential Task List

a. Develop, disseminate, and manage the execution of the Marine component Air Tasking Order (ATO).

b. Produce and disseminate aviation tailored, all source intelligence and CI required for decision-making during the planning and execution of Air Operations.

c. Maintain and disseminate information on the friendly situation, including the aviation and ground combat information essential to the air effort.

d. Plan and coordinate the employment of ACE communications electronics information networks and means.

e. Plan, coordinate, and manage employment of all aircraft and surface-to-air weapons, agencies, and sensors within, or in support of the assigned area of operations.

f. Establish and disseminate air defense warning conditions, weapons control status, and states of alert to all major elements of the MAGTF/joint/combined force.

g. Plan and coordinate air operations between the MACCS and command and control agencies external to the MAGTF, to include joint/combined/host nation agencies.

h. Develop and promulgate Air Operations Plans and Orders.

i. Plan and supervise airspace coordination.

j. Analyze and evaluate the results of air operations.

k. Provide pertinent emission control information within the area of operations.

l. Coordinate information flow to facilitate efficient planning and execution of aviation operations.

m. Support expeditionary operations.

n. Conduct combat operations in an NBC environment.

o. Plan, coordinate, and direct personnel recovery operations as the Marine component Rescue Coordination Center.

4. TACC CORE CAPABILITY

a. Current Operations Section. A core capable TACC Current Operations Section (COS) is capable of performing the functions of command and direction, interface coordination, close/deep battle coordination, air defense coordination, and combat information processing and dissemination. A minimum of two core capable COS crews are required to sustain and perform those functions during contingency/combat operations, assuming that all crew positions are manned and supporting MOS's are at 80%. Sufficient TADIL, voice, tactical data networks, intelligence systems, or ATO subsystem capability exists to support operational requirements. If all crew positions are not filled, those critical functions performed by that position will be degraded. The notional COS core capable crew of the baseline TACC consists of 60 personnel as depicted in table 3-1. This baseline organization is scaleable to meet operational requirements. Responsibility for training

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crewmembers is delineated in MCO P3500.14, Aviation T&R Manual, Administrative.

Table 3-1.--Notional Current Operations Section.

| Current Ops Section | Ground Watch Section | Intel Watch Section | COS Command Cell | COS Close Battle Cell | COS Deep Battle Cell | COS Air Defense Cell | COS Airspace Control Cell | COS Analysis Cell | COS SAR Cell | ACE Watch Section | C2 Systems Watch Section | Interface Coord/TDC Cell |
|---------------------------|----------------------|---------------------|----------------------|--------------------------|-----------------------------|----------------------|------------------------------|-----------------------------|-----------------------|--------------------------------|--------------------------|--------------------------|
| Current Ops Officer | Ground Watch Officer | Intel Watch Officer | Senior Watch Officer | Close Battle Coord | Deep Air Operations Manager | Air Defense Coord | Airspace Control Officer (2) | Close Battle Analyst (3) | SAR Coord Officer (2) | Comm Watch Officer | C2 Systems Watch Officer | Interface Coord Officer |
| Asst. Current Ops Officer | Fire Support Officer | Intel Watch Chief | Senior Air Coord | Fixed Wing Tasker (2/1) | Fixed Wing Tasker (2) | Recorder | Recorder/Plotter | Deep Battle Analyst (3) | Recorder | C2 Maint Coord | Radio Watch NCO | Track Data Coord |
| Ops Chief | Engineer Officer | Intel Analyst | Crew Chief | Rotary Wing Tasker (2/3) | UAV Tasker | Plotter | | Recorder TEMCS Operator (2) | | Logistics Watch Officer | Data/Comm Tech | |
| Ops Clerk | Ground Watch Chief | ELINT Analyst | Recorder | UAV Tasker | Recorder | | | | | NBC Watch Officer | Wireman | |
| | IOW Operator | | | Recorder (2) | Plotter | | | | | Force Protection Watch Officer | Radio Operator | |
| | AFATDS Operator | | | Plotter (2) | | | | | | ALD/ORD Watch Officer | | |

b. Future Operations Section. A core capable TACC Future Operations Section (FOS) plans for and allocates available air assets by promulgating an ATO and other related planning documents within a theater-delineated timeline. One core capable FOS crew is required to sustain and perform contingency/combat operations. While not structured for two crews, the planning, decision, and execution (PD&E) timeline may require the shifting of personnel to meet critical events during the day. If all crew positions are not filled, critical functions performed by that position will be degraded. The notional FOS core capable crew of the baseline TACC consists of 44 personnel as depicted in table 3-2. This baseline organization is scaleable to meet operational requirements. Responsibility for training crewmembers is delineated in MCO P3500.14, Aviation T&R Manual, Administrative.

Table 3-2.--Notional Future Operations Section.

| Ops Admin Section | Ground Watch Section | Orders Development Section | ATO Development Section | Intelligence Watch Section |
|---------------------------------|--------------------------|----------------------------|-----------------------------------|----------------------------|
| Future Operations Officer | Ground Watch Officer (2) | Orders Development Officer | ATO Development Officer | Intel Watch Officer (2) |
| Asst. Future Operations Officer | Ground Watch Clerk (2) | Strike Plans Officer (3) | ATO Planning Officer | Intel Analyst (2) |
| Operations Chief | | Support Plans Officer (3) | Asst. ATO Planning Officer | |
| Operations Clerk (2) | | Force Protection Officer | Strike Planner (3) | |
| | | C2 Plans Officer | EW Planner | |
| | | Operations Clerk (2) | Support Planner (4) | |
| | | | UAV Planner | |
| | | | Air Defense Planner (2) | |
| | | | Airspace Control Measures Planner | |
| | | | ATO Production Officer | |
| | | | Asst. ATO Production Officer | |
| | | | SPINS/ACP/ADP Production Officer | |
| | | | ATO Production Chief | |
| | | | ATO Production Clerk (6) | |

c. Future Plans Section. A core capable TACC Future Plans Section is responsible to the ACE G-3 for aviation planning in support of the next MEF mission change. One core capable future plans section is required to sustain and perform contingency/combat operations. While not structured for two crews, the planning, decision, and execution (PD&E) timeline may require the shifting of personnel to meet critical events during the day. If all crew positions are not filled, critical functions performed by that position will be degraded. The notional future plans section core capable crew of the baseline TACC consists of 44 personnel as depicted in table 3-3. This baseline organization is scaleable to meet operational requirements. Responsibility for training crewmembers is delineated in MCO P3500.14, Aviation T&R Manual, Administrative.

Table 3-3.--Notional Future Plans Section

| Ops Admin Section | Ground Watch Section | Orders Development Section | ATO Development Section | Intelligence Watch Section |
|-------------------|----------------------|----------------------------|-------------------------|----------------------------|
|-------------------|----------------------|----------------------------|-------------------------|----------------------------|

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| Ops Admin Section | Ground Watch Section | Orders Development Section | ATO Development Section | Intelligence Watch Section |
|---------------------------------|----------------------|----------------------------|----------------------------------|----------------------------|
| Future Operations Officer | Ground Watch Officer | Orders Development Officer | ATO Development Officer | Intel Watch Officer |
| Asst. Future Operations Officer | Ground Watch Clerk | Strike Plans Officer (3) | ATO Planning Officer | Intel Analyst |
| Operations Chief | | Support Plans Officer (3) | Asst. ATO Planning Officer | |
| Operations Clerk (2) | | Force Protection Officer | Strike Planner (3) | |
| | | C2 Plans Officer | EW Planner | |
| | | Operations Clerk (2) | Support Planner (4) | |
| | | | UAV Planner | |
| | | | Air Defense Planner | |
| | | | Air Support Planner | |
| | | | ATO Production Officer | |
| | | | Asst. ATO Production Officer | |
| | | | SPINS/ACP/ADP Production Officer | |
| | | | ATO Production Chief | |
| | | | ATO Production Clerk (6) | |

d. Billet-Syllabus Qualification Matrix. Table 3-4, 3-5, and 3-6 contain a billet-syllabus qualification matrix for the current and future operations sections and the current plans section.

Table 3-4.--TACC Current Operations Section
Billet-Syllabus Qualification Matrix

| CURRENT OPERATIONS SECTION | BILLET | T&R SYLLABUS QUAL |
|----------------------------------|------------------------------------|------------------------------------|
| | | |
| | Current Operations Officer (COPSO) | Current Operations Officer (COPSO) |
| CURRENT OPERATIONS WATCH SECTION | Senior Watch Officer (SWO) | Senior Watch Officer (SWO) |
| | Senior Air Coordinator (SAC) | Senior Air Coordinator (SAC) |
| | Crew Chief (CC) | TACC Crew Chief (TACC-CC) |

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| CURRENT OPERATIONS SECTION | BILLET | T&R SYLLABUS QUAL |
|------------------------------------|--|--------------------------------------|
| | Recorder | Recorder (RCDR) |
| DEEP BATTLE CELL | Fixed Wing Tasker | Air Battle Tasker (ABT) |
| | Deep Air Operations Manager | Deep Air Operations Manager (DAOM) |
| | UAV Tasker | Air Battle Tasker (ABT) |
| | Fixed Wing Recorder | Recorder (RCDR) |
| | Fixed Wing Plotter | Plotter (PLTR) |
| CLOSE BATTLE CELL | Fixed Wing Tasker | Air Battle Tasker (ABT) |
| | Rotary Wing Tasker | Air Battle Tasker (ABT) |
| | UAV Tasker | Air Battle Tasker (ABT) |
| | Air Support Rep/Close Battle Coordinator | Close Battle Coordinator (CBC) |
| | Fixed Wing Recorder | Recorder (RCDR) |
| | Fixed Wing Plotter | Plotter (PLTR) |
| | Rotary Wing Recorder | Recorder (RCDR) |
| | Rotary Wing Plotter | Plotter (PLTR) |
| AIR DEFENSE COORDINATION CELL | Air Defense Coordinator (ADC) | Air Defense Coordinator (ADC) |
| | Air Defense Recorder | Recorder (RCDR) |
| | Air Defense Plotter | Plotter (PLTR) |
| AIRSPACE CONTROL CELL | Airspace Control Officer (ACO) | Airspace Control Officer (ACO) |
| | Airspace Plotter/Recorder | Plotter (PLTR) Recorder (RCDR) |
| INTERFACE CONTROL/ TRACK DATA CELL | Interface Control Officer (ICO) | Interface Control Officer (ICO) |
| | Track Data Coordinator (TDC) | Track Data Coordinator (TDC) |
| BATTLE DAMAGE ASSESSMENT CELL | Close Battle Analyst | Close Battle Analyst (CBA) |
| | Deep Battle Analyst | Deep Battle Analyst (DBA) |
| | Recorder | Recorder (RCDR) |
| SAR COORDINATION CELL | Personnel Recovery Coordinator | Personnel Recovery Coordinator (PRC) |
| | SRCC Recorder | Recorder (RCDR) |

Table 3-5.--TACC Future Operations Section
Billet-Syllabus Qualification Matrix

| FUTURE OPERATIONS | BILLET | T&R SYLLABUS QUAL |
|-------------------|--------|-------------------|
|-------------------|--------|-------------------|

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| SECTION | | |
|----------------------------|-----------------------------------|--|
| | Future Operations Officer (FOPS) | Future Operations Officer (FOPS) |
| ATO DEVELOPMENT SECTION | ATO Development Officer (ATODO) | ATO Development Officer (ATODO) |
| ATO PLANNING CELL | ATO Planning Officer (ATOPLO) | ATO Planning Officer (ATOPLO) |
| | Strike Planner | ATO MSN Planner (ATOMP) |
| | EW Planner | ATO MSN Planner (ATOMP) |
| | Support Planner | ATO MSN Planner (ATOMP) |
| | UAV Planner | ATO MSN Planner (ATOMP) |
| | Airspace Control Measures Planner | ATO/ACO Planner (AAP) |
| | Air Defense Planner | ATO/ACO Planner (AAP) |
| | Air Support Planner | ATO/ACO Planner (AAP) |
| ATO PRODUCTION CELL | ATO Production Officer (ATOPRO) | ATO Production Officer (ATOPRO) |
| | SPINS/ACP/ADP Production Officer | N/A |
| | ATO Production Chief | N/A |
| | ATO Production Clerk | N/A |
| ORDERS DEVELOPMENT SECTION | Orders Development Officer | Orders Development Officer (ORDO) |
| | Strike Plans Officer | Orders Development Planner (ORDP) |
| | Support Plans Officer | Orders Development Planner (ORDP) |
| | C2 Plans Officer | AVN C2 Planner (AC2P) |

Table 3-6.--TACC Future Plans Section
Billet-Syllabus Qualification Matrix

| FUTURE PLANS SECTION | BILLET | T&R SYLLABUS QUAL |
|----------------------|------------------------------|--------------------------------------|
| | Future Plans Officer | Future Plans Officer (FPNO) |
| | Sr Planner | N/A |
| | Airspace/Air Defense Planner | N/A |
| | Assault Support Planner | N/A |
| | Strike Support Planner | N/A |
| | Aviation Support Planner | N/A |

302. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS

1. Combat Capable Training. The Combat Capable phase of training (100 level) will be accomplished by the Wing battlestaff trainer and is comprised of academic preparation for serving in the Tactical Air Command Center (TACC). The 100 level syllabus is made up of selected MACCS generic academic events that will enhance the pilot's knowledge of the Marine Air Command and Control System (MACCS) and Marine Aviation operations in a joint environment.

2. Combat Ready Training. Table 3-7 contains a listing of the combat readiness training events and associated page numbers.

Table 3-7.--Combat Readiness Training List.

| Event | Goal | Page |
|--------------|---|-------------|
| SYS-200 | OPERATE COMMUNICATIONS EQUIPMENT | 3-26 |
| SYS-201 | CONFIGURE NATIONAL SYSTEMS INFORMATION | 3-27 |
| SYS-202 | CONDUCT TACC OPERATIONS IN AN NBC ENVIRONMENT | 3-27 |
| SYS-203 | OPERATE THE IOW SYSTEM | 3-27 |
| SYS-204 | Operate TBMCS | 3-28 |
| SYS-205 | Operate AFTADS | 3-28 |
| SYS-206 | Operate MSCS | 3-29 |
| CBC-210 | CONDUCT CLOSE BATTLE CELL PLANNING | 3-31 |
| CBC-211 | PERFORM AS CBC | 3-32 |
| CBC-212 | PERFORM AS CBC | 3-33 |
| DAOM-220 | CONDUCT DEEP BATTLE CELL PLANNING | 3-35 |
| DAOM-221 | PERFORM AS DAOM | 3-36 |
| DAOM-222 | PERFORM AS DAOM | 3-37 |
| ABT-230 | PERFORM ABT PLANNING FUNCTIONS | 3-39 |
| ABT-231 | PERFORM AS ABT; EXERCISE | 3-39 |
| ABT-232 | PERFORM AS ABT; EXERCISE | 3-40 |
| PRC-240 | CONDUCT CSAR/TRAP PLANNING | 3-42 |
| PRC-241 | PERFORM AS PRC; EXERCISE | 3-42 |
| ORDP-250 | PERFORM AS ORDP | 3-45 |
| ATOMP-260 | CONDUCT ATO MISSION PLANNING | 3-47 |
| ATOMP-261 | PERFORM AS ATOMP; EXERCISE | 3-48 |
| QUAL-280 | QUALIFY THE TACCO AS CBC | 3-34 |
| QUAL-281 | QUALIFY THE TACCO AS DAOM | 3-38 |
| QUAL-282 | QUALIFY THE TACCO AS ABT | 3-40 |
| QUAL-283 | QUALIFY THE TACCO AS PRC | 3-43 |
| QUAL-284 | QUALIFY THE TACCO AS ORDP | 3-46 |
| QUAL-285 | QUALIFY THE TACCO AS ATOMP | 3-48 |
| DESG-290 | DESIGNATE THE TACCO AS CBC | 3-49 |
| DESG-291 | DESIGNATE THE TACCO AS DAOM | 3-49 |

| Event | Goal | Page |
|----------|------------------------------|------|
| DESG-292 | DESIGNATE THE TACCO AS ABT | 3-50 |
| DESG-293 | DESIGNATE THE TACCO AS PRC | 3-50 |
| DESG-294 | DESIGNATE THE TACCO AS ORDP | 3-50 |
| DESG-295 | DESIGNATE THE TACCO AS ATOMP | 3-50 |

3. Combat Qualification Training. Table 3-8 contains a listing of the combat readiness training events and associated page numbers.

Table 3-8.--Combat Qualification Training List

| Event | Goal | Page |
|------------|---|------|
| CBA-300 | PERFORM TARGETING ANALYSIS AS CBA | 3-51 |
| CBA-301 | MONITOR DASC/CLOSE BATTLE CELL ACTIVITY | 3-52 |
| DBA-310 | PERFORM TARGETING ANALYSIS AS DBA | 3-54 |
| DBA-311 | MONITOR DEEP BATTLE CELL ACTIVITY | 3-55 |
| ATOPRO-320 | PERFORM ATO PRODUCTION FUNCTIONS | 3-56 |
| ATOPRO-321 | PERFORM AS ATOPRO; EXERCISE | 3-57 |
| ORDO-330 | PERFORM ORDO FUNCTIONS | 3-59 |
| ORDO-331 | PERFORM AS ORDO; EXERCISE | 3-60 |
| ATOPLO-360 | CONDUCT ATO PLANNING FUNCTIONS | 3-61 |
| ATOPLO-361 | PERFORM AS ATOPLO; EXERCISE | 3-63 |
| QUAL-380 | QUALIFY THE TACCO AS CBA | 3-53 |
| QUAL-381 | QUALIFY THE TACCO AS DBA | 3-55 |
| QUAL-382 | QUALIFY THE TACCO AS ATOPRO | 3-58 |
| QUAL-383 | QUALIFY THE TACCO AS ORDO | 3-60 |
| QUAL-384 | QUALIFY THE TACCO AS ATOPLO | 3-63 |
| DESG-390 | DESIGNATE THE TACCO AS CBA | 3-64 |
| DESG-391 | DESIGNATE THE TACCO AS DBA | 3-64 |
| DESG-392 | DESIGNATE THE TACCO AS ATOPRO | 3-64 |
| DESG-393 | DESIGNATE THE TACCO AS ORDO | 3-65 |
| DESG-394 | DESIGNATE THE TACCO AS ATOPLO | 3-65 |

4. Full Combat Qualification Training. Table 3-9 contains a listing of the full combat qualification training events and associated page numbers.

Table 3-9.--Full Combat Qualification Training List

| Event | Goal | Page |
|-----------|------------------------------|------|
| SWO-400 | PERFORM AS SWO; EXERCISE | 3-66 |
| SWO-401 | PERFORM AS SWO; EXERCISE | 3-67 |
| ATODO-410 | PERFORM ATODO FUNCTIONS | 3-69 |
| ATODO-411 | PERFORM AS ATODO; EXERCISE | 3-69 |
| QUAL-480 | QUALIFY THE TACCO AS SWO | 3-68 |
| QUAL-481 | QUALIFY THE TACCO AS ATODO | 3-70 |
| DESG-490 | DESIGNATE THE TACCO AS SWO | 3-71 |
| DESG-491 | DESIGNATE THE TACCO AS ATODO | 3-72 |

5. Instructor Qualification Training. None.

6. Special Skills Training And Designation. Table 3-10 contains a listing of the special skills training and designations events and associated page numbers.

Table 3-10.--Special Skills Training and Designations

| Event | Goal | Page |
|----------|--|------|
| ADC-600 | CONDUCT AIR DEFENSE PLANNING | 3-72 |
| ADC-601 | PERFORM AS ADC; EXERCISE | 3-73 |
| ADC-602 | PERFORM AS ADC; EXERCISE | 3-75 |
| AAP-610 | CONDUCT AIRSPACE/CONTROL MEASURES PLNG | 3-76 |
| AAP-611 | CONDUCT AIR DEFENSE PLANNING FUNCTIONS | 3-77 |
| AAP-612 | CONDUCT AIR SUPPORT PLANNING FUNCTIONS | 3-78 |
| COPS-620 | PERFORM AS COPSO; EXERCISE | 3-79 |
| FOPS-630 | SUPERVISE FUTURE OPS ACTIVITIES | 3-81 |
| FPNO-640 | SUPERVISE FUTURE PLANS ACTIVITIES | 3-84 |
| QUAL-680 | QUALIFY THE TACCO AS ADC | 3-75 |
| QUAL-681 | QUALIFY THE TACCO AS AAP | 3-78 |
| QUAL-682 | QUALIFY THE TACCO AS COPSO | 3-80 |
| QUAL-683 | QUALIFY THE TACCO AS FOPSO | 3-83 |
| QUAL-684 | QUALIFY THE TACCO AS FPNO | 3-85 |
| DESG-690 | DESIGNATE THE TACCO AS ADC | 3-86 |
| DESG-691 | DESIGNATE THE TACCO AS AAP | 3-86 |
| DESG-692 | DESIGNATE THE TACCO AS COPSO | 3-86 |
| DESG-693 | DESIGNATE THE TACCO AS FOPSO | 3-86 |
| DESG-694 | DESIGNATE THE TACCO AS FPNO | 3-87 |

7. Operator Core Skills. Core skills are individual skills that support a unit's METL. Core skills are general task areas, further subdivided into like events and are normally delineated as T&R stage titles. Individuals must gain and maintain proficiency in core skills in order to execute the unit core capability. Core skills as it applies here are introduced in FRS, entry level MOS school training and allow individuals to be combat qualified in their applicable primary MOS. 75xx coming to the TACC will have their MOS specific core skills and begin core plus skills/tasks.

8. Operator Core Plus Skills/Tasks. Core plus skills are depicted in the following matrix (table 3-11) and directly support the METL for each unit. Core skills shall be a determining factor in developing T&R training requirements. Special skills and training requirements must receive appropriate prioritization and emphasis based on the training need and the likelihood of those types of missions being assigned during operations.

Table 3-11.--Core Plus Skills/Tasks

| METL | SYS | CBC | DAOM | ABT | PRC | ORD/ ATO | CBA/ DBA | SWO |
|------|-----|-----|------|-----|-----|----------|----------|-----|
|------|-----|-----|------|-----|-----|----------|----------|-----|

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| METL | SYS | CBC | DAOM | ABT | PRC | ORD/ ATO | CBA/ DBA | SWO |
|----------|--------------------------------------|--------------------|--------------------|--------------------|-------------------|--|--|-------------------|
| A | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| B | 200 201 202 203 204 205 206 | | | | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| C | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| D | 201 | 210 | 220 | 230 282 | 240 283 | | | 400 401 480 |
| E | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| F | 200 201 202 203 204 206 | | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| G | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| H | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| I | 200 201 202 203 204 205 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 | 300 301 310 | 400 401 480 |

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| METL | SYS | CBC | DAOM | ABT | PRC | ORD/ ATO | CBA/ DBA | SWO |
|----------|--------------------------------------|--------------------|--------------------|--------------------|-------------------|--|--|-------------------|
| | 206 | | | | | 360 361 382 383 384 410 411 481 | 311 380 381 | |
| J | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| K | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | | | 400 401 480 |
| L | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| M | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| N | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |
| O | 200 201 202 203 204 205 206 | 210 211 212 280 | 220 221 222 281 | 230 231 232 282 | 240 241 283 | 250 260 261 284 285 320 321 330 331 360 361 382 383 384 410 411 481 | 300 301 310 311 380 381 | 400 401 480 |

303. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training will never be compromised for the training of a select, few individuals. Commanding Officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a T&R standards, as outlined in MCO P3500.14. All syllabus events shall be tailored to meet T&R requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate commands to ensure safe and efficient training requirements.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision-making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

7. MACCS Integrated System Training. All elements of the MACCS shall maintain the capability to effectively function as part of an integrated air command and control system. In that large exercises may not always offer sufficient training opportunity for all crew members, and in many cases do not offer sufficient latitude to refine capability upon arrival, the MACCS should conduct MACCS Integrated System Training Exercises (MISTEX) on a regular basis to qualify units and personnel per their respective T&R syllabus. MISTEXs should focus on the establishment of necessary communications and data links between MACCS agencies, and incorporate sufficient simulation and MSEL items to exercise and analyze system integration, crew coordination, and critical information flow wherever possible. Tactical Digital Information Link capable agencies should conduct frequent "Link" training exercises to maintain proficiency.

304. TACTICAL AIR COMMAND CENTER OFFICER TRAINING PROGRESSION PHILOSOPHY

1. The purpose of this syllabus is to develop and refine those skills required for the Tactical Air Command Center Officer (TACCO) to function as a Senior Watch Officer (SWO) and/or ATO/Orders Development Officers within a core capable TACC Current/Future Operations crew. The progression of the TACCO through the syllabus has been tailored towards that end. It is incumbent upon the MAW Commander's designated representative to ensure that each event is completed in accordance with each performance standard established for that event.

305. TACCO TRAINING PROGRESSION MODEL

1. The Training Progression Model for the TACCO is depicted in figure 3.1.

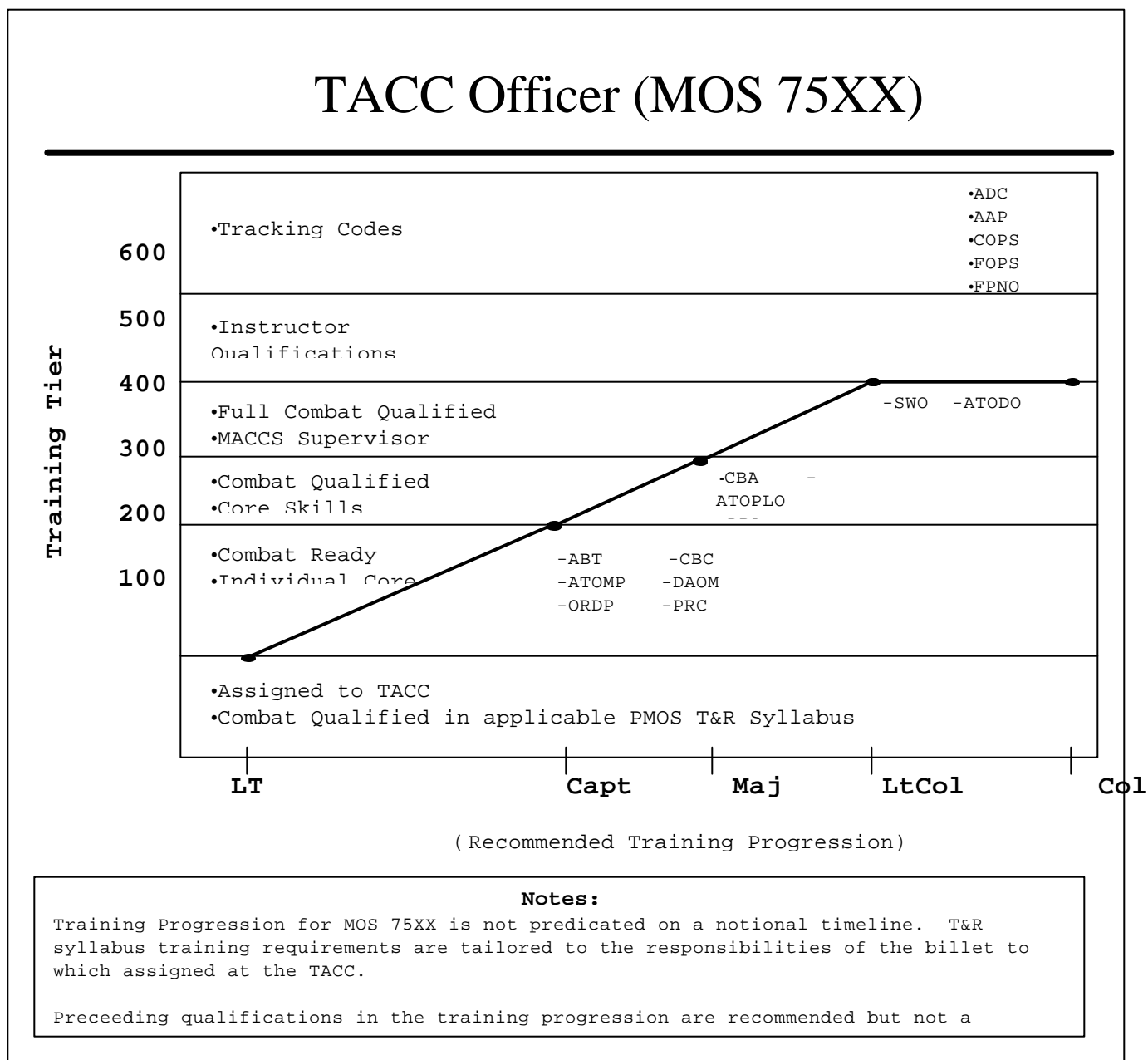


Figure 3.1.--TACCO (MOS 75XX) Training Progression Model

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual reports to the unit with (accession qualifications) after completion of the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.
3. The *Combat Capable* tier will in most cases be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.
4. On the *Combat Ready* tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.
5. The *Combat Qualification* tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those men/women a Commanding Officer feels are capable of directing the actions of subordinates during wartime scenarios.
6. The *Special Skill Qualification* tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.
 - a. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the Commanding Officer with oversight of the unit training program.
7. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat ready" and "combat qualified" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

306. PROGRAMS OF INSTRUCTION (POI) FOR TACCO. There currently is no formal schools training provided for TACC personnel.

307. MISSION QUALIFICATIONS/DESIGNATIONS

1. Tactical Air Command Center (TACC)

a. Current Operations Section

(1) Current Operations Officer (COPSO) Qualification. A Marine officer is COPS qualified after having completed the required events of the appropriate T&R syllabus. The officer shall be certified and designated a COPSO by the MAW commander. The officer shall have a letter entered into his or her Aircrew/MACCS Performance Record stating the qualification.

(2) Senior Watch Officer (SWO) Qualification. A Marine officer is SWO qualified after having completed the required events of the appropriate T&R syllabus. The officer shall be certified and designated a SWO by the MAW commander. The officer shall have a letter entered into his or her Aircrew/MACCS Performance Record stating the qualification.

(3) Close Battle Coordinator (CBC) Qualification. A Marine officer (MOS 75XX) is CBC qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as a CBC by a designated SAC and designated CBC qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's MACCS Performance Record.

(4) Deep Air Operations Manager (DAOM) Qualification. A Marine officer (MOS 75XX) is DAOM qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as a DAOM by a designated SAC and designated DAOM qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's MACCS Performance Record..

(5) Air Defense Coordinator (ADC) Qualification. A Marine officer (MOS 75XX) is ADC qualified after having completed the required training events of the appropriate T&R syllabus. The MACCS Officer shall be certified as an ADC by a designated SAC and designated ADC qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's MACCS Performance Record.

(6) Air Battle Analyst (ABA) Qualification. A Marine Officer (MOS 75XX) is ABA qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as a ABA by a designated SAC and designated ABA qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's MACCS Performance Record.

(7) Personnel Recovery Coordinator (PRC) Officer Qualification. A Marine officer (MOS 75XX) is PRC qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as a PRC by a designated SAC and designated PRC qualified by the MAW

commander's designated representative. A letter noting the designation shall be entered into the individual's MACCS Performance Record.

b. Future Operations Section

(1) Future Operations Officer (FOPSO) Qualification. A Marine officer is FOPS qualified after having completed the required events of the appropriate T&R syllabus. The officer shall be certified and designated a FOPSO by the MAW commander. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

(2) ATO Development Officer (ATODO) Qualification. A Marine officer (MOS 75XX) is ATODO qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an ATODO by the MAW G3 and designated ATODO qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

(3) ATO Production Officer (ATOPRO) Qualification. A Marine officer (MOS 75XX) is ATOPRO qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an ATOPRO by the MAW G3 and designated ATOPRO qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

(4) ATO Plans Officer (ATOPLO) Qualification. A Marine officer (MOS 75XX) is ATOPLO qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an ATOPLO by the MAW G3 and designated ATOPLO qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

(5) Orders Development Officer (ORDO) Qualification. A Marine officer (MOS 75XX) is ORDO qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an ORDO by the MAW G3 and designated ORDO qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

(6) Orders Development Planner (ORDP) Qualification. A Marine officer (MOS 75XX) is ORDP qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an ORDP by the MAW G3 and designated ORDP qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's MACCS Performance Record.

(7) ATO/ACO Planner (AAP) Qualification. A Marine officer (MOS 75XX) is AAP qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an AAP by the MAW G3 and designated AAP qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

(8) ATO Mission Planner (ATOMP) Qualification. A Marine officer (MOS 75XX) is ATOMP qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an ATOMP by the MAW G3 and designated ATOMP qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

c. Future Plans Section

(1) Future Plans Officer (FPNO) Qualification. A Marine officer (MOS 75XX) is FPNO qualified after having completed the required training events of the appropriate T&R syllabus. The officer shall be certified as an FPNO by the MAW G3 and designated FPNO qualified by the MAW commander's designated representative. A letter noting the designation shall be entered into the individual's Aircrew/MACCS Performance Record.

310. GROUND/ACADEMIC TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. Commanders strongly encouraged to incorporate the lectures in table 3-12 into their training plan. Selected MACCS generic academics classes have been incorporated as the Combat Capable stage of training (100 level) for aviators (refer to paragraph 332). Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Table 3-12.--Recommended T&R Lectures

| Lecture Code | Lecture Title | Sponsor |
|--------------|---|----------------|
| | 200 Level: Combat Ready Training | |
| A-01 | MAGTF Organization | MCCES |
| A-02 | MACCS Organization | MCCES |
| A-03 | The Six Functions of Marine Aviation | MAWTS-1 |
| A-04 | v Control of Aircraft & Missiles | MAWTS-1 |
| A-05 | v Offensive Air Support | MAWTS-1 |
| A-06 | v Assault Support | MAWTS-1 |
| A-07 | v Electronic Warfare | MAWTS-1 |
| A-08 | v Aerial Reconnaissance | MAWTS-1 |
| A-09 | v Anti-Air Warfare | MAWTS-1 |
| A-09 | Air Tasking Order/Special Instructions | MCCES |
| A-10 | MACCS Training Management | Local MACG |
| A-11 | MACCS reference material | MCCES |
| A-12 | Local AOR Contingencies & OP PLANS | Local MACG |
| A-13 | ROE Overview | Local MACG MAW |
| A-14 | MACCS Communications | MAWTS-1 |
| A-15 | TBMCS Overview | MAWTS-1 |
| A-16 | Data Link Symbolology | MCCES |
| A-17 | Manual Crosstell procedures | MCCES |
| A-18 | Encryption & Authentication Procedures | MCCES |
| A-19 | COMSEC & Crypto handling | MCCES |

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| Lecture Code | Lecture Title | Sponsor |
|--------------|--|----------------|
| | 300 Level: Combat Qualified Training | |
| B-01 | Missile and UAV Threat to MAGTF | MAWTS-1 |
| B-02 | Fixed Wing Threat to the MAGTF | MAWTS-1 |
| B-03 | Rotary Wing Threat to the MAGTF | MAWTS-1 |
| B-04 | REC Threat | MAWTS-1 |
| B-05 | Armor Threat to the MAGTF | MAWTS-1 |
| B-06 | AOR Specific Threat & OP PLANS | Local MACG |
| | MACCS Agencies | |
| B-07 | v TACC | MAWTS-1 |
| B-08 | v TAOC | MAWTS-1 |
| B-09 | v DASC | MAWTS-1 |
| B-10 | v ATC Detachment | MAWTS-1 |
| B-11 | v LAAD Bn | MAWTS-1 |
| B-12 | v MWCS | MAWTS-1 |
| B-13 | | MAWTS-1 |
| B-14 | AC2W-ISR | MAWTS-1 |
| B-15 | Multi TADIL Network | MAWTS-1 |
| B-16 | USMC Aviation Ordnance | MCCES |
| B-17 | Phasing Control Ashore | MAWTS-1 |
| B-18 | Airspace Planning/Management (Combat Airspace) | Local MACG MAW |
| B-19 | Tanker Management | MAWTS-1 |
| B-20 | Armed Reconnaissance | MAWTS-1 |
| B-21 | UAV Overview | MAWTS-1 |
| B-22 | Link Architecture & Procedures | Local MACG MAW |
| B-23 | Introduction to Personnel Recovery | MAWTS-1 |
| B-24 | NEO Execution | MAWTS-1 |
| B-25 | Execution Checklist | MAWTS-1 |

| | | |
|------|---|-----------------------|
| | 400 Level: Full Combat Qualified Training | |
| C-01 | Integrated Combat Airspace Command & Control (ICAC ²) | Local MACG MAWTS-1 |
| C-02 | Joint Air Operations | MAWTS-1 |
| C-03 | TBM and CM Defense | MAWTS-1 |
| C-04 | JTAO Procedures | MCCES |
| C-05 | Law of War and ROE | MAWTS-1 |
| C-06 | SIS Aircraft | MAWTS-1 |

(*) The lecture code is standardized throughout all MACCS related syllabi, and is used to link the ATRIMS software to a specific T&R event within this syllabus. Lecture Codes may not be listed sequentially.

2. Academic training listed in table 3-13 is recommended for personnel assigned to the TACC.

Table 3-13.--TACC Academics Syllabus

| CODE | CLASS TITLE | SOURCE | 72X X | 75X X | 02X X |
|------|--------------|--------|----------|----------|----------|
| T-01 | AAW DOCTRINE | | X | X | |

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| CODE | CLASS TITLE | SOURCE | 72X X | 75X X | 02X X |
|------|--|---------|----------|----------|----------|
| T-02 | ADC RESPONSIBILITIES | | X | X | |
| T-03 | AIR DEFENSE SECTORS/ZONES | | X | X | |
| T-04 | AIRSPACE MANAGEMENT | | X | X | |
| T-05 | ASSAULT SUPPORT REQUEST (ASR) | MCCES | X | X | |
| T-06 | ATOs AND ACOs | | X | X | X |
| T-07 | CBC RESPONSIBILITIES | | X | X | |
| T-08 | IBS/CTT | MAWTS-1 | X | X | |
| T-09 | BRIEFING AND DEBRIEFING PROCEDURES | AS REQD | | | |
| T-10 | C4I SYSTEMS | | X | X | X |
| T-11 | CAP MANAGEMENT | | X | X | |
| T-12 | CC RESPONSIBILITIES | | X | X | |
| T-13 | COMMAND AND CONTROL OF AMPHIBIOUS OPS | | X | X | X |
| T-14 | JOINT AIR COMMUNICATIONS NETS | | X | X | X |
| T-15 | COORDINATION REQUIREMENTS | | X | X | X |
| T-16 | CREW COORDINATION | | X | X | X |
| T-17 | CSAR/TRAP | MAWTS-1 | X | X | X |
| T-18 | TBMCS CURRENT OPS APPLICATIONS | | X | X | X |
| T-19 | DATA LINK TROUBLESHOOTING | | X | | |
| T-20 | DATA LINK OPS MESSAGES | MAWTS-1 | X | | |
| T-21 | DATA LINK OPERATIONS | | X | | |
| T-22 | EMCON PLANNING | | X | X | X |
| T-23 | EMERGENCY PROCEDURES | | X | X | |
| T-24 | ELECTRONIC PROTECTION CAPABILITIES | MAWTS-1 | X | X | |
| T-25 | IADS EMPLOYMENT | | X | X | |
| T-26 | IDENTIFICATION PROCEDURES | | X | X | |
| T-27 | INTERFACE COORDINATION | | X | | |
| T-28 | INTERNAL/EXTERNAL INFORMATION FLOW | | X | X | X |
| T-29 | INTRODUCTION TO TACC SYSTEMS | | X | X | X |
| T-30 | INTRODUCTION TO C2W | | X | X | X |
| T-31 | JOINT TACTICAL AIRSTRIKE REQUEST (JTAR) | MCCES | X | X | X |
| T-32 | MANUAL BACKUP TACC PROCEDURES | | X | X | |
| T-33 | MSCS OPERATIONS | | X | | |
| T-34 | OPLANS & OPORDs | | X | X | X |
| T-35 | PLOTTING SYMBOLOGY | | X | X | X |
| T-36 | JOINT MUNITIONS EFFECTIVENESS MANUAL (JMEMS) | MAWTS-1 | X | X | X |
| T-37 | NATIONAL SYSTEMS TASKING PROCESS/CYCLE | MAWTS-1 | X | X | |
| T-38 | SEAD | | X | X | X |
| T-39 | SECURITY OF CLASSIFIED MATERIAL | MCCES | X | X | X |
| T-40 | SUPPORTING ARMS INTEGRATION | | X | X | |
| T-41 | IMINT | MAWTS-1 | X | X | X |
| T-42 | TACC CREW BRIEF | | X | X | X |
| T-43 | TACC REPORTS/FORMATS | | X | X | X |
| T-44 | TACC CASUALTY PROCEDURES | | X | X | X |
| T-45 | LMSIG | Logicon | X | | |
| T-46 | TACC EMPLOYMENT & PLANNING CONSIDERATIONS | | X | | |
| T-47 | TADIL-A | | X | | |

| CODE | CLASS TITLE | SOURCE | 72X X | 75X X | 02X X |
|------|--|---------|----------|----------|----------|
| T-48 | TADIL-B/NATO LINK 1 | | X | | |
| T-49 | TADIL-J | | X | | |
| T-50 | AOC OVERVIEW | C2WS | X | X | X |
| T-51 | IOS IOS/IOW OPERATIONS | | X | | X |
| T-52 | TDC RESPONSIBILITIES | | X | | |
| T-53 | TDS PLATFORMS | | X | | |
| T-54 | THEATER AIR GROUND SYSTEM | MAWTS-1 | X | X | X |
| T-55 | GMF OVERVIEW | MAWTS-1 | X | | |
| T-56 | BASIC WEATHER | | X | X | X |
| T-57 | AFATDS | | X | X | X |
| T-58 | JOINT AIR OPERATIONS | MAWTS-1 | X | | |
| T-59 | TBMCS FUTURE OPS. APPLICATIONS | | | X | |
| T-60 | INFORMATION MANAGMENT AND CONNECTIVITY | MAWTS-1 | X | X | |
| T-61 | ELECTRONIC WARFARE COORDINATION CENTER | MAWTS-1 | X | X | |
| T-62 | ELECTRONIC TARGETING AND ATTACK | MAWTS-1 | X | X | |
| T-63 | ALLIED SAMS | MAWTS-1 | X | X | |
| T-64 | ATARS EMPLOYMENT | MAWTS-1 | X | X | |
| T-65 | OAS PGMS | MAWTS-1 | X | X | |
| T-66 | ENVIRONMENTAL EFFECTS OF ELECTROMAGNETIC ENERGY | MAWTS-1 | X | X | |

3. External academic courses of instruction available to complete the syllabus are listed below.

| COURSE | ACTIVITY |
|---|--------------|
| Joint Air Tasking Order Process Course (JATOPC) | C2WS |
| Joint Doctrine Air Campaign Course (JDACC) | AFCSC |
| JFACC Augmentation Staff Course | TACTRAGRUPAC |
| SWO Course | MAWTS-1 |
| ACE Battlestaff Officer Course | MAWTS-1 |
| Personnel Recovery 101 | JPRA |
| Personnel Recovery 301 | JPRA |
| JSSC Course | C2WS |
| WTI Course | MAWTS-1 |

311. TRAINING REFERENCES. The following training references shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation:

| | |
|-----------------|--|
| ACP-125 | Allied Communication Publication |
| CJCSM 6120.01A | Joint Multi-TADIL Operational Procedures |
| CCS-TRTBM-A017 | TBMCS Software User's Manual (SUM) Lockheed Martin |
| DASC PCL | DASC Pocket Checklist |
| FM 11-1 | NBC Operations |
| FM 100-42 | USAF/USA Airspace Management in the Area of Operations |
| FMFM 3-30 | Communications |
| FMFM 6-18 | Techniques and Procedures for Fire Support Coordination. |
| FMFRP 5-62 | Multi-Service Procedures for the Theater Air-Ground System |
| JtDivO P3120.23 | FSC SOP |

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Joint Pub 3-03 Doctrine for Joint Interdiction Operations
 Joint Pub 3-09.3 JTTP for Close Air Support
 Joint Pub 3-01.4 JTTP for Joint SEAD
 Joint Pub 3-01.5 Doctrine for Joint Theater Missile Defense
 Joint Pub 3-54 Joint Doctrine for OPSEC
 MCM 3-1 Vol. II Threat Reference Manual
 MCO 3501.9B Marine Corps Combat Readiness Evaluation System (MCCRES)
 MCRP 3-16.1F Targeting
 MCRP 3-16.8B MSP for the Joint Application of Firepower (J-FIRE)
 MCRP 3-23A Joint Air Attack Team Manual
 MCRP 3-25A MSP for AWACS in GBAD Operations
 MCWP 3-2 Aviation Operations
 MCWP 3-23.1 Close Air Support
 MCWP 3-25 Control of Aircraft and Missiles
 MCWP 3-25.1 Integrated Combat Airspace Command and Control (ICAC2)
 MCWP 3-25.2 Theater Air Ground System (TAGS)
 MCWP 3-25.3 MACCS Handbook
 MCWP 3-25.4 Marine TACC Handbook
 MCWP 3-25.5 DASC Handbook
 MCWP 3-25.6 SAAWC Handbook
 MCWP 3-35.7 TAOC Handbook
 MCWP 3-25.8 MATCD Handbook
 MCWP 3-25.9 Air Defense Det Handbook
 MCWP 3-25.10 LAAD Bn Handbook
 MCWP 3-25.12 MWCS Handbook
 NWP 22 Air Control in Amphibious Operations
 NWP 32 Anti-Air Warfare
 OPNAVINST 3710 NATOPS MANUAL
 TM-11240 Series Motor Transport Technical Characteristics
 TM 10149A-13&P/1 Operation Instructions - Tactical Combat Operations (IOS)
 TSC-125-96-U IOS Student Guide
 12R4-MSCS-760-005 Operator's Reference Manual (MSCS)
 TOPGUN Manual
 AGOS Manual
 Understanding Link 4A/11/16
 Understanding Data Links
 F/A-18 Tactics Manual (TACMAN)

320. LIVE/SIMULATOR EVENT TRAINING: TACCO (MOS 75XX)

1. Combat Capable Training

| STAGE | EVENTS | PERCENT |
|--|--------|---------|
| COMBAT QUALIFIED SYLLABUS AT PARENT UNIT | | 60.00% |

2. Combat Ready Training

| STAGE | EVENTS | PERCENT |
|--------------------------------------|--------|---------|
| SYSTEMS TRAINING | 7 | 2.00% |
| CLOSE BATTLE COORDINATOR TRAINING | 4 | 2.50% |
| DEEP AIR OPERATIONS MANAGER TRAINING | 4 | 2.50% |
| AIR BATTLE TASKER TRAINING | 4 | 2.50% |
| PRC OFFICER TRAINING | 3 | 2.00% |
| ORDERS DEVELOPMENT PLANNER TRAINING | 2 | 1.50% |

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| | | |
|------------------------------|----|--------|
| ATO MISSION PLANNER TRAINING | 3 | 2.00% |
| COMBAT READY TOTALS: | 27 | 15.00% |

3. Combat Qualification Training

| STAGE | EVENTS | PERCENT |
|-------------------------------------|--------|---------|
| CLOSE BATTLE ANALYST TRAINING | 3 | 4.00% |
| DEEP BATTLE ANALYST TRAINING | 3 | 4.00% |
| ATO PRODUCTION OFFICER TRAINING | 3 | 4.00% |
| ORDERS DEVELOPMENT OFFICER TRAINING | 3 | 4.00% |
| ATO PLANS OFFICER TRAINING | 3 | 4.00% |
| COMBAT QUALIFICATION TOTALS: | 15 | 20.00% |

4. Full Combat Qualification Training

| STAGE | EVENTS | PERCENT |
|-----------------------------------|--------|---------|
| SENIOR WATCH OFFICER TRAINING | 3 | 2.5% |
| ATO DEVELOPMENT OFFICER TRAINING | 3 | 2.5% |
| FULL COMBAT QUALIFICATION TOTALS: | 6 | 5.00% |

5. Instructor Training

| STAGE | EVENTS | PERCENT |
|----------------|--------|---------|
| NOT APPLICABLE | 0 | 0.00% |

6. Special Skills Training

| STAGE | EVENTS | PERCENT |
|---------------------------------------|--------|---------|
| AIR DEFENSE COORDINATOR TRAINING | 4 | 0.00% |
| ATO/ACO PLANNER TRAINING | 4 | 0.00% |
| CURRENT OPERATIONS OFFICER TRAINING | 2 | 0.00% |
| FUTURE OPERATIONS OFFICER TRAINING | 2 | 0.00% |
| FUTURE PLANS OFFICER TRAINING | 2 | 0.00% |
| Special Skills Totals: | 14 | |
| TACCO (MOS 75XX) T&R SYLLABUS TOTALS: | 48 | 100.00% |

330. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the Tactical Air Command Center Officer syllabus consists of ground training that requires in-depth integration within the MACCS.

Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified Tactical Air Command Center Officer.

a. Live Training. Training event condition codes listed as **L** (live), **L/S** (live preferred/simulator optional), and **S/L** (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code. A number of the live and simulated events require interaction with external C3 agencies. This interaction/interface is important to the individual, crew, and agency training.

b. Simulator Training. Training event condition codes listed as S (simulator), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted in the Tactical Air Command Center (TACC). Training not conducted in the TACC shall be replaced with live training where applicable as indicated in the condition code. A number of the live and simulated events require interaction with external C3 agencies. This interaction/interface is important to the individual, crew, and agency training.

2. Minimum Performance for Syllabus "Write-Off". Personnel may receive credit for successful completion of any syllabus requirement/performance standards (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the evaluator's discretion. Completion of 80 percent of any syllabus event (except qualifications) may be "written-off" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation.

3. Evaluation of Training. Evaluation of those portions of the syllabus which are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per T&R Manual, Volume 1, and the standardized evaluation forms located in the appendix to this syllabus.

331. COMPONENTS OF A T&R EVENT.

1. General. An event contained within a T&R Manual is an Individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

| | | | | | |
|-------------|------|-------|-----|------|----|
| 1/ | 2/ | 3/ | 4/ | 5/ | /6 |
| SAM-XXX 0.5 | R, E | EQUIP | L/S | (NS) | |

Goal. State the Terminal Learning Objective.

Requirements. List specific tasks for the event; indicate what the crew/individual must accomplish.

Performance Standards. Describe measurable level of proficiency for that core competency.

Performance Steps. Describe measurable level of proficiency for that core competency.

Prerequisites. List any tasks to be completed prior to this event.

References. Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

External Syllabus Support. A listing or description of external support requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

- NOTES: 1/ Events are coded per Appendix B of T&R Manual Administrative.
- 2/ Projected Event Duration is furnished as a planning tool.
- 3/ Denotes the applicable Program of Instruction (Basic POI is understood). POI Codes: R = Refresher, E = Evaluated
- 4/ An 'E' indicates an evaluated event.
- 5/ The equipment or activity subcategory is listed.
- 6/ Condition Code: **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; **NS** = Night Vision Device; where contained within () denotes optional conditions.

332. COMBAT CAPABLE TRAINING

1. Combat Capable Stage. All Combat Capable training (100 series) will be accomplished by completing the Combat Qualification Syllabus of each Marine's primary MOS at the parent unit.

333. Combat Ready Training

1. System Training

a. Purpose. To develop the skills required to maintain proficiency in operating Tactical Air Command Center (TACC) equipment.

b. General. Contains the tactical and technical information necessary to maintain system proficiency.

c. Prerequisite. None.

d. Live Training (10 Events)

| SYS-200 | R | TACC | L |
|---------|---|------|---|
|---------|---|------|---|

Goal. Operate communications equipment.

Requirement. Demonstrate the use of tactical communications equipment and the use of appropriate code words and communications brevity terms.

Performance Standards. Properly utilize the available communications suite:

- (1) Internal communications (ICS).
- (2) Radio nets.
- (3) Switchboard nets and secure phones.
- (4) Demonstrate mastery of proper authentication procedures.
- (5) Utilization of proper radio transmission procedures in both secure and clear modes.
- (6) Successfully complete 80% of the above listed standards.

Prerequisites. Academics: A-14, A-18, A-19.

References. TACC TM's.

External Syllabus Support. External agencies.

| | | | |
|---------|---|------|---|
| SYS-201 | R | TACC | L |
|---------|---|------|---|

Goal. Configure and interpret Integrated Broadcast Receiver derived National Systems Data (NSD).

Requirements. Configure the IBR display to depict desired National Systems data.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Configure geographic, ELNOT based, and combined filtering scheme for TIBS, TDDS, and TADIXS-B data.
- (2) Interpret location fidelity, time latency, and implications to operations of displayed ELINT information.
- (3) Successfully complete 80% of the above listed standards.

Prerequisites. Academics: T-08, SYS-206.

References. TIBS/TDDS Broadcast Users Guide.

External Syllabus Support. Integrated Broadcast Receiver and Intelligence Broadcast Services.

| | | | |
|---------|---|------|-----|
| SYS-202 | R | TACC | L/S |
|---------|---|------|-----|

Goal. Conduct TACC operations in an NBC environment.

Requirements. Operate in a simulated NBC environment using MOPP equipment.

Performance Standards. Perform crew requirements while in MOPP level 4.

Prerequisites. NBCD training and MOPP level exchange

Reference. NBC Standard Operating Procedures.

External Syllabus Support. None.

| | | | |
|----------------|----------|-------------|------------|
| <u>SYS-203</u> | <u>R</u> | <u>TACC</u> | <u>L/S</u> |
|----------------|----------|-------------|------------|

Goal. Operate the IOW system.

Requirements. Create, edit, and delete overlay and track information in IOW.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Properly load maps into the IOW workstation.
- (2) Properly connect IOW workstation to gateway.
- (3) Properly create overlays.
- (4) Properly import/export overlays to/from UB Host.
- (5) Properly transmit an overlay.
- (6) Successfully complete 80% of the above listed standards.

Prerequisites. Academics: T-10, T-29, T-51.

References. TSC-125-97-U, IOS Student Guide.

External Syllabus Support. None.

| | | | |
|----------------|----------|-------------|------------|
| <u>SYS-204</u> | <u>R</u> | <u>TACC</u> | <u>L/S</u> |
|----------------|----------|-------------|------------|

Goal. Operate TBMCS.

Requirements. Demonstrate proficiency in Current Operations applications of TBMCS.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Properly login/logout of the TBMCS workstation.
- (2) Properly manipulate the Common Operating Environment.
- (3) Properly demonstrate proficiency in:
 - (a) EM Replanner
 - (b) EM Reports
 - (c) EMC
 - (d) ATO/ACO Tool
 - (e) TK Talk
 - (f) E Mail
 - (g) User Alerts
 - (i) CAST/WARP
 - (j) Chat Utility
- (4) Successfully complete 80% of the above listed standards.

Prerequisites. Academics: A-15, T-10, T-29.

References. TBMCS, C2WS CBT.

External Syllabus Support. None.

| | | | |
|----------------|----------|-------------|------------|
| <u>SYS-205</u> | <u>R</u> | <u>TACC</u> | <u>L/S</u> |
|----------------|----------|-------------|------------|

Goal. Demonstrate proficiency in AFATDS setup and operation.

Requirements. Demonstrate the ability to set up and operate AFATDS.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Demonstrate the ability to interoperate with TBMCS in all six functional areas.
- (2) Demonstrate proper nomenclature of all system components.
- (3) Demonstrate the ability to create fire support coordination measure overlays.
- (4) Demonstrate the ability to receive and respond to Joint Tactical Air Requests (JTARS) and Air Support Requests (ASR).
- (5) Demonstrate the ability to pass overlays and requests to outlying MAGTF agencies.
- (6) Demonstrate an understanding of connectivity requirements for AFATDS operations.
- (7) Demonstrate the ability to create, modify, and delete unit position tracks.
- (8) Successfully complete 80% of the above listed standards.

Prerequisite. T-57.

Reference. AFATDS TM.

External Syllabus Support. TBMCS, DASC, and GCE component agencies.

| | | | |
|----------------|----------|-------------|------------|
| <u>SYS-206</u> | <u>R</u> | <u>TACC</u> | <u>L/S</u> |
|----------------|----------|-------------|------------|

Goal. Demonstrate proficiency in Multiple Source Correlation System operation.

Requirements. Demonstrate the ability to operate MSCS.

Performance Standards. Demonstrate the ability to:

- (1) Login to MSCS.
- (2) Create/display/manipulate zones, overlays, and tracks.
- (3) Edit Track Data display.
- (4) Modify display defaults.
- (5) Display Data Link/filter status.
- (6) Modify display using system/status commands.
- (7) Successfully complete 80% of the above listed standards.

Prerequisite. T-33.

Reference. MSCS Operator Reference Guide.

External Syllabus Support. None.

2. Close Battle Coordinator Training

a. Purpose. To refine the TACCO's skills required for the Close Battle Coordinator (CBC) qualification and to provide a means for the CBC to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for CBC qualification.

(b) During each period, the TACCO must demonstrate proficiency in monitoring and assessing the effectiveness of close air support missions in support of the MAGTF close battle, and functioning as a member of the Current Operations Section.

(c) Combat Ready and Combat Qualification training can be conducted concurrently.

(2) Prerequisite. Combat Ready in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 16 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 200 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (4 Events)

| | | | |
|----------------|----------|-------------|----------|
| <u>CBC-210</u> | <u>R</u> | <u>TACC</u> | <u>L</u> |
|----------------|----------|-------------|----------|

Goal. Close Battle Cell planning.

Requirement. Participate in Close Battle Cell Planning.

Performance Standard. Demonstrate proficiency in the following areas:

- (1) Prepare the Close Battle Cell portion of the TACC crew brief.

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- (2) Review applicable planning documents (OPORD, ATO, ACO, ACP, PCH, etc.) and assist in the development of the close/rear battle plans for the MAGTF.
- (3) Review and make recommendations for modification of airspace/fire support coordination measures, as required.
- (4) Assist in TMD Strike Operations planning, as required.
- (5) Assist in the planning of emissions control measures, as required.
- (6) Assist in the planning for CASEVAC operations, as required.
- (7) Coordinate with external agencies for information flow requirements.
- (8) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-200, SYS-203, SYS-204, SYS-205.
- (2) Academics: Completion of MACCS Academic COI (200 level), B-01- B-07, B-09, B-16, B-17, B-18, B-20, B-21, B-23 - B-25, C-01 - C-03, T-04 - T-07, T-10, T-13 - T-18, T-22, T-23, T-28, T-29, T-31, T-34, T-35, T-38 - T-44, T-50, T-51, T-54 - T-57, T-61, T-62, T-65.

References. MCWP 3-25 series, MCWP 3-23.1, local SOPs.

External Syllabus Support. None.

| | | | |
|---------|---|------|-----|
| CBC-211 | R | TACC | S/L |
|---------|---|------|-----|

Goal. Perform as a CBC.

Requirement. Perform as a CBC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Conduct the Close Battle Cell portion of the TACC crew briefing.
- (2) Acquire and maintain current information concerning the status and operations of air missions supporting the MAGTF close battle.
- (3) Advise the SWO/SAC concerning employment of air assets supporting the MAGTF close battle.
- (4) Coordinate the synchronization of air operations in support of the MAGTF close battle within the current-day ATO cycle.
- (5) Maintain communications with the DASC, MAGTF air officer, the MAGTF fire support coordinator, or other agencies, as required.
- (6) Coordinate with the DASC for receipt of immediate JTAR/ASR/CASEVAC information.

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- (7) Recommend courses of action to support JTARs/ASRs/CASEVACs to the SAC/SWO based upon asset availability.
- (8) Exercise authority, as may be delegated by the ACE commander, SWO, and SAC, to:
 - (a) Cancel missions and launches of preplanned missions in cases where requirements no longer exist.
 - (b) Divert preplanned missions and provide mission briefings.
 - (c) Adjust scheduled launch times to meet new time-on-station requirements generated by changing tactical situations.
 - (d) Direct launches of unscheduled missions and provide mission briefings.
 - (e) Coordinate the scramble and reconstitution of on-call (strip alert) missions.
- (9) Ensure that information is kept current and that the SAC is updated concerning the close battle situation.
- (10) Coordinate the modification of ACMS/FSCMs, as required.
- (11) Coordinate with the intelligence watch section for current/projected enemy capabilities, critical vulnerabilities, and potential enemy courses of action.
- (12) Coordinate with the ground watch section for current/projected ground scheme of maneuver/fire support plan and ground boundaries/fire support coordination measures.
- (13) Supervise the conduct of the Close Battle Cell.
- (14) Monitor the equipment status and operational posture of C3 agencies relative to the close battle, as required.
- (15) Maintain appropriate logs.
- (16) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-200, SYS-201, SYS-203, SYS-204, SYS-205.
- (2) Academics: Completion of MACCS Academic COI (200 level), B-01- B-07, B-09, B-16, B-17, B-18, B-20, B-21, B-23 - B-25, T-04 - T-07, T-10, T-13 - T-18, T-22, T-23, T-28, T-29, T-31, T-34, T-35, T-38 - T-44, T-50, T-51, T-54 - T-57, T-61, T-62, T-64, T-65.

References. MCWP 3-25 series, MCWP 3-23.1, MCRP 3-16.8B, local SOPs.

External Syllabus Support. External C3 agencies.

| | | | |
|---------|---|------|-----|
| CBC-212 | R | TACC | L/S |
|---------|---|------|-----|

Goal. Perform as a CBC.

Requirements. Perform as a CBC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All standards listed in CBC-211.
- (2) Successfully complete 80% of the above listed standards.

Prerequisites. CBC 210 and CBC-211.

References. MCWP 3-25 series, MCWP 3-23.1, MCRP 3-16.8B, local SOPs.

External Syllabus Support. External C3 agencies.

| | | | |
|-----------------|------------|-------------|----------|
| <u>QUAL-280</u> | <u>R E</u> | <u>TACC</u> | <u>L</u> |
|-----------------|------------|-------------|----------|

Goal. Qualify the TACCO as a CBC.

Requirement. Perform as a CBC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in CBC-210 and CBC-211.
- (2) Successfully complete 80% of above standards listed.

Prerequisites. CBC-212.

References. MCWP 3-25 series, MCWP 3-23.1, MCRP 3-16.8B, local SOPs.

External Syllabus Support. External C3 agencies.

3. Deep Air Operations Manager Training

a. Purpose. To refine skills required for the Deep Air Operations Manager (DAOM) qualification and to provide a means for the DAOM to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for DAOM qualification.

(b) The TACCO must demonstrate proficiency in monitoring and assessing the effectiveness of deep air support missions in support of the MAGTF deep battle, and functioning as a member of the Current Operations Section.

(c) Combat Ready and Combat Qualification training can be conducted concurrently.

(2) Prerequisite. Combat Ready in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 200 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (4 Events)

DAOM-220 R TACC L

Goal. Conduct Deep Battle Cell planning.

Requirement. Plan for Deep Air Operations in support of a GCE.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Prepare the Deep Battle Cell portion of the TACC crew brief.
- (2) Review applicable planning documents (OPORD, ATO, ACO, ACP, BSM, RAGM, etc.) and assist in the development of the deep battle plan.
- (3) Review and make recommendations for modification of airspace/fire support coordination measures, as required.
- (4) Assist in TMD Attack Operations planning, as required.
- (5) Plan for integration of joint and combined C4ISR assets.
- (6) Assist in the planning for CSAR/TRAP/CASEVAC operations, as required.
- (7) Coordinate with external agencies for information flow requirements.
- (8) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-204.
- (2) Academics: A-01, A-02, A-04 A-09, A-12, A-13, B-07, B-09, B-10, B-14, B-21, B-23 - B-25, C-01, C-02, C-06, T-04 - T-08, T-10, T-28 - T-31, T-34, T-35, T-39 - T-44, T-50, T-54 - T-56, T-58, T-64, T-65.

References. MCWP 3-25 series, local SOPs.

External Syllabus Support. None.

DAOM-221 R TACC S/L

Goal. Perform as a DAOM.

Requirements. Perform as the DAOM during an exercise.

Performance Standards. Perform duties as DAOM in the following areas:

- (1) Conduct the Deep Battle Cell portion of the TACC crew brief.
- (2) Acquire and maintain current information on the status and operations of air missions in support of the deep battle.
- (3) Advise the SWO/SAC on the employment of air assets in support of the deep battle.
- (4) Coordinate the synchronization of air operations in support of the deep battle within the ATO cycle.
- (5) Maintain communications with the DASC/Deep Air Operations Coordinator, MAGTF air officer, the MAGTF fire support coordinator, AOC/BCD, or other agencies, as required.
- (6) Coordinate with the DASC, and other C3 agencies, for receipt of immediate JTAR/ASR/CASEVAC information.
- (7) Recommend courses of action to support JTAR/ASR/CASEVACs to the SAC/SWO based upon asset availability.
- (8) Make Recommendations to the SWO/COC to:
 - (a) Cancel missions and launches of preplanned missions in cases where requirements no longer exist.
 - (b) Divert preplanned missions and provide mission briefings.
 - (c) Adjust scheduled launch times to meet new time-on-station requirements generated by changing tactical situations.
 - (d) Direct launches of unscheduled missions and provide mission briefings.
 - (e) Coordinate the scramble and reconstitution of on-call strip alert missions.
- (9) Ensure that information is kept current and that the SAC is updated concerning the deep battle situation.
- (10) Coordinate the modification of ACMS/FSCMs, as required.
- (11) Coordinate with the intelligence watch section for current/projected enemy capabilities, critical vulnerabilities, and potential enemy courses of action.
- (12) Coordinate with the ground watch section for current/projected ground scheme of maneuver/fire support plan and ground boundaries/fire support coordination measures.
- (13) Monitor the equipment status and operational posture of C3 agencies relative to the deep battle, as required.
- (14) Review MAGTF/JFC targeting guidance and combat assessment data in order to provide ATO refresh input to planned events at least 4 hours prior to execution.
- (15) Coordinate with ACI target intelligence section to receive updated targeting and BHA information.
- (16) Receive MISREPS for passage to the intelligence watch section for review and processing.

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- (17) Recommend, in conjunction with the ACI target intelligence section, to the SWO dynamic retasking of air assets in response to emergent targets in the deep battle area.
- (18) Provide the SWO the impact on the deep battle of shifting assets during the current ATO.
- (19) Recommend changes to, or identify preplanned ordnance configurations in response to target changes or weather conditions.
- (20) Supervise the conduct of the Deep Battle Cell.
- (21) Maintain appropriate logs.
- (22) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) Academics: T-37, T-41.
- (2) SYS-200, SYS-201, SYS-203 - SYS-205.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

| | | | |
|-----------------|---|------|------------|
| <u>DAOM-222</u> | R | TACC | <u>L/S</u> |
|-----------------|---|------|------------|

Goal. Perform as a DAOM.

Requirements. Perform as the DAOM during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in DAOM-601.
- (2) Successfully complete 80% of above standards listed.

Prerequisites. DAOM-220, DAOM-221.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

| | | | |
|-----------------|-----|------|------------|
| <u>QUAL-281</u> | R E | TACC | <u>L/S</u> |
|-----------------|-----|------|------------|

Goal. Qualify the TACCO as a DAOM.

Requirements. Perform as the DAOM during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in DAOM-601.

(2) Successfully complete 80% of the above listed standards.

Prerequisite. DAOM-222.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

4. Air Battle Tasker Training

a. Purpose. To refine the TACCO'S skills required for the Air Battle Tasker (ABT) qualification and to provide a means for a TACCO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for ABT qualification.

(b) The ABT must demonstrate proficiency in utilizing TBMCS in the TACC Current Operations Section (COS) to supervise and direct daily aviation operations.

(c) Combat Ready and Combat Qualification training may be conducted concurrently.

(2) Prerequisites. Combat Ready in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a ABT billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 200 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew is required.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (4 Events)

| | | | |
|----------------|----------|-------------|----------|
| <u>ABT-230</u> | <u>R</u> | <u>TACC</u> | <u>L</u> |
|----------------|----------|-------------|----------|

Goal. Perform ABT planning functions.

Requirement. Participate in Air Battle Task Planning during an exercise.

Performance Standards. Participate in CBC-210, DAOM-220, and ADC-600 planning events as appropriate.

Prerequisites.

- (1) SYS-200, SYS-204.
- (2) Academics: A-04 - A-09, A-12, A-13, B-07 - B-10, B-14, B-16, B-18 - B-21, B-23 - B-25, C-01, C-02, C-06, T-01, T-03 T-08, T-10, T-13 - T-18, T-22 - T-24, T-28 - T-31, T-34, T-35, T-36, T-38 - T-44, T-50, T-54 - T-56.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN).

External Syllabus Support. None.

| | | | |
|---------|---|------|-----|
| ABT-231 | R | TACC | S/L |
|---------|---|------|-----|

Goal. Perform ABT functions.

Requirement. Perform as an ABT during an exercise.

Performance Standards. Perform functions in the following areas:

- (1) Build a report in EMC and EMR.
- (2) Execute MSN replanning, change TOS, TGT, Tanking information, Kill box and MSN info.
- (3) Submit a MSN change to the ATO.
- (4) Demonstrate proficiency with TK Talk, Chat & User Alerts.
- (5) Submit other MSN info as required.
- (6) Add, change, delete mission in EMC and EMR.
- (7) Coordinate asset availability, mission changes, launch information, and other critical information as appropriate with the supporting aviation units.
- (8) Successfully complete 80% of the above listed standards.

Prerequisites. SYS-200, SYS-204.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN).

External Syllabus Support. External C3 agencies, aircraft.

| | | | |
|---------|---|------|-----|
| ABT-232 | R | TACC | L/S |
|---------|---|------|-----|

Goal. Perform ABT functions.

Requirement. Perform as an ABT during an exercise.

Performance Standards. Successfully complete 80% of the standards in ABT-231.

Prerequisites. ABT-230, ABT-231.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

QUAL-282 R E TACC L/S

Goal. Qualify the TACCO as an ABT.

Requirements. Perform as an ABT during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in ABT-230 and 231.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. ABT-232.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies, fixed and rotary wing aircraft, simulation or live.

5. Personnel Recovery Coordinator Training

a. Purpose. To refine the skills required for designation as a Personnel Recovery Coordinator (PRC) and provide a means for the designated PRC to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for PRC qualification.

(b) The Combat Capable TACCO must demonstrate proficiency in coordinating personnel recovery missions by completing the PRC training syllabus.

(c) Combat Ready and Combat Qualification training can be conducted concurrently.

(2) Prerequisite. Completion of the Combat Ready stage of training and attend the Personnel Recovery 101 course. Personnel Recovery 301 is encouraged, but not required.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a PRC billet for 24 months or longer.

Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 200 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

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| PRC-240 | R | TACC | L |
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Goal. Conduct Personnel Recovery planning.

Requirement. Plan establishment of the component RCC

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Prepare the RCC portion of the TACC crew brief.
- (2) Assist in the development of the JCSARTF/TRAP plan.
- (3) Setup/design the component RCC.
- (4) Assist in the planning for PR communications.
- (5) Assist in the development and preparation of execution checklists, as required.
- (6) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-200, SYS-201, SYS-204.
- (2) Academics: B-04, B-05, B-13, T-12, T-36, T-37.
- (3) Personnel Recovery 101.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. None.

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| PRC-241 | R | TACC | S/L |
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Goal. Perform as a PRC.

Requirement. Perform as the PRC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Conduct the RCC portion of the TACC crew brief.
- (2) Coordinate with the Joint Search and Rescue Center (JSRC) concerning CSAR aircraft availability and requirement for

- TRAP assets that exceed ACE platform capabilities/survivability for PR operations.
- (3) Supervise the activation and monitoring of PR communications and execution checklists, as required.
 - (4) Draft messages pertaining to MAGTF CSAR/TRAP operations (i.e. Search and Rescue Incident Report (SARIR) and SAR Situation Report (SAR SIT)).
 - (5) Notify the SWO of supporting aircraft requirements for CSAR/TRAP operations, the progress of CSAR/TRAP operations, and any situations that restrict or hinder CSAR/TRAP operations.
 - (6) Coordinate CSAR/TRAP efforts with units and/or agencies external to the ACE (i.e. JSRC/adjacent RCCs).
 - (7) Coordinate CSAR/TRAP efforts with the DASC, provided such efforts transit that battlespace short of the FSCL.
 - (8) Ensure that CSAR/TRAP case folders are completed and maintained.
 - (9) Monitor and update location/availability of CSAR/TRAP assets.
 - (10) Provide feedback to future operations on changes required for subsequent ATOs concerning SAR/TRAP support (i.e. packaging, SPINS, checklists, etc.).
 - (11) Successfully complete 80% of the above listed standards.

Prerequisites. PRC-240.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

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| QUAL-283 | R E | TACC | L/S |
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Goal. Qualify the TACCO as a PRC.

Requirement. Perform as the PRC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in PRC-240 and PRC-241.
- (2) Successfully complete 80% of above standards listed.

Prerequisite. PRC-241.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

6. Orders Development Planner Training

a. Purpose. To refine the skills required for designation as an Orders Development Planner (ORDP) within the Future Operations Section and provide a means for the designated ORDP to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for Orders Development Planner qualification.

(b) By syllabus completion, must demonstrate proficiency in developing ACE operations/frag orders and conducting current planning for aviation requirements/events that occur beyond the ATO currently being planned but short of the next frag order being developed.

(c) Combat Ready and Combat Qualification training can be conducted concurrently.

(2) Prerequisites. Combat Ready in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a ORDP billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 200 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (2 Events)

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|----------|---|------|---|
| ORDP-250 | R | TACC | L |
|----------|---|------|---|

Goal. Perform as an ORDP.

Requirement. Participate in the Orders Development Section of the FOS.

Performance Standards. Perform functions in the following areas:

- (1) Assist in the development of air operations orders/frag orders based upon air support plans prepared by the future plans section.
- (2) Plan and coordinate aviation requirements to meet planned aviation needs beyond the ATO timeline, but short of the next major change to the major subordinate command mission being developed by future plans:
 - (a) Helicopter Operations (tasking, routes, escort).
 - (b) Projected strike packages.

T&R MANUAL, TACC

- (c) CSAR/TRAP operations.
 - (d) Suppression of Enemy Air Defense (SEAD) operations.
 - (e) Air command and control support requirements.
 - (f) Aviation support requirements.
- (3) Coordinate with the Orders Development Officer in matters pertaining to aviation orders development and near-term plans and requirements.
 - (4) Prepare plans associated with reorganization, liaison, augmentation, and connectivity required to assume JFACC/JAOC responsibilities, as required.
 - (5) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-204.
- (2) Academics: A-01 - A-09, A-12 - A-14, B-06, B-16 - B-18, B-21, B-23 - B-25, C-01 - C-05, T-01, T-04, T-06, T-08, T-13 - T-15, T-17, T-18, T-22, T-23, T-30, T-34, T-36 - T-38, T-40, T-54 - T-56, T-59, T-60.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2, MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, MCRW 3-16.8B, MCRP 3-23A.

External Syllabus Support. None.

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| QUAL-284 | R E | TACC | L/S |
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Goal. Qualify the TACCO as an ORDP.

Requirement. Perform as the ORDP during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Standards listed in ORDP-250.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. ORDP-250.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2, MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, MCRW 3-16.8B, MCRP 3-23A.

External Syllabus Support. None.

7. ATO Mission Planner Training

- a. Purpose. To refine the skills required for the ATO Mission Planner (ATOMP) qualification and to provide a means for an ATOMP to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for ATOMP qualification.

(b) Upon syllabus completion, the ATOMP must demonstrate proficiency in technical construction of the Air Tasking Order.

(c) Combat Ready and Combat Qualification training may be conducted concurrently.

(2) Prerequisites. Combat Ready in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from an ATOMP billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 200 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

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|-----------|---|------|---|
| ATOMP-260 | R | TACC | L |
|-----------|---|------|---|

Goal. Conduct ATO mission planning.

Requirement. Perform as a member of the ATO Planning Section of the FOS during an exercise.

Performance Standards. Execute the following mission planning tasks:

- (1) Receive and review the master air attack plan.
- (2) Prepare worksheets to be used in the creation of the ACE master air attack plan to include:
 - (a) Sequencing and deconflicting allocated air assets against the Marine Component prioritized target list.
 - (b) Weaponing and packaging air assets, as required, based on the threat, desired level of destruction and timeliness.
 - (c) Deconflicting simultaneous missions between other MAGTF/JFC lethal/non-lethal assets.
- (3) Prepare sortie availability charts.
- (4) Prepare aircraft flow sheets.
- (5) Separate the Marine Component prioritized target list according to target sourcing (direct support targets/

- common sourced targets) for submission to the Joint Force Commander.
- (6) Review and input any database changes to the aircraft laydown, standard configuration loads, and aircraft parametric data.
 - (7) Prepare the target planning worksheets and submit them to the ATO Plans Officer for forwarding to the ATO production cell for input into the applicable electronic planning system.
 - (8) Prepare the special instructions (SPINS), and any changes to the airspace control plan and air defense plan for incorporation into the ATO.
 - (9) Review and input any database changes to the aircraft laydown, standard configuration loads, and aircraft parametric data.
 - (10) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-204.
- (2) Academics: A-01 - A-09, A-12 - A-14, B-1 - B-06, B-16 - B-18, B-21, B-23 - B-25, C-01 - C-05, T-01, T-04, T-06, T-08, T-13 - T-15, T-17, T-22, - T-24, T-30, T-34, T-36 - T-38, T-40, T-54 T-56, T-58 - T-66.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2, MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. None.

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| ATOMP-261 | R | TACC | L/S |
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Goal. Perform as an ATOMP.

Requirement. Perform as an ATOMP during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All standards listed in ATOMP-260.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. ATOMP-260.

References. Same as ATOMP-260.

External Syllabus Support. External C3 agencies.

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| QUAL-285 | R E | TACC | L/S |
|----------|-----|------|-----|

Goal. Qualify the TACCO as an ATOMP.

Requirement. Perform as an ATOMP during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All standards listed in ATOMP-260.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. ATOMP-261.

References. Same as ATOMP-260.

External Syllabus Support. External C3 agencies.

8. Combat Ready Designations.

a. Purpose. To designate the TACCO as Close Battle Coordinator (CBC), Deep Air Operations Manager (DAOM), Air Battle Tasker (ABT), Personnel Recovery Coordinator (PRC), Orders Development Planner (ORDP), and ATO Mission Planner (ATOMP).

b. General

(1) Administrative Notes

(a) A TACCO will be considered for designation upon completion of all events contained within the three phases of training: (academic, performance, and evaluation).

(b) A review of the MPR will be conducted and the TACCO will be certified by a designated SAC/MAW G3. A recommendation for designation will be staffed to the MAW commander's designated representative.

(c) The TACCO designation letter, with any waivers, deferments or endorsements, will be filed in the individual's MACCS Performance Record.

(2) Prerequisites. Completion of the applicable Combat Ready stage of training.

c. Crew Requirements. None.

d. Academic Training. TACC specific academic training is designed to support live/simulated training events and is accomplished as a prerequisite to individual performance events.

e. Designation Events (6 Events)

DESG-290 TACC

Goal. Designate the TACCO as CBC.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-280.

DESG-291 TACC

Goal. Designate the TACCO as a DAOM.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-281.

DESG-292 TACC

Goal. Designate the TACCO as an ABT.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-282.

DESG-293 TACC

Goal. Designate the TACCO as a PRC.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-283.

DESG-294 TACC

Goal. Designate the TACCO as an ORDP.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-284.

Reference. None.

DESG-295 TACC

Goal. Designation as an ATOMP.

Requirement. None.

Performance Standards. None.

Reference. None.

Prerequisite. QUAL-285.

334. COMBAT QUALIFICATION TRAINING

1. Close Battle Analyst Training

a. Purpose. To develop the TACCO'S skills required for the Close Battle Analyst (CBA) qualification and to provide a means for a TACCO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for CBA qualification.

(b) The TACCO will monitor and assess the effectiveness of all aviation functions in support of the MAGTF's close battle.

(c) At least one live CBA performance event will be conducted with a full TACC crew during an exercise.

(2) Prerequisite. Combat Qualified within primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a CBA billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 300 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

| CBA-300 | R | TACC | L/S |
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Goal. Perform targeting analysis.

Requirement. Perform targeting analysis in the Close Battle Cell during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Review Marine Component targeting guidance and combat assessment data (e.g. BHA, munitions effectiveness) in order to provide ATO input to planned events at least four hours prior to execution.
- (2) Coordinate with the intelligence watch section concerning updated targeting and BHA information.

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- (3) Coordinate with the intelligence watch section concerning current/projected enemy capabilities, critical enemy vulnerabilities, and potential courses of action.
- (4) Monitor Marine Component targeting guidance updates.
- (5) Recommend ordnance configuration changes, in response to changes to target priorities and weather conditions, as required.
- (6) Advise the SWO on the real-time employment of air assets to support the close battle.
- (7) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-200, SYS-201, SYS-204, SYS-205.
- (2) MAGTF Staff Training Program.
- (3) Academics: A-01, A-04 - A-07, A-09, A-12, A-13, B-06, B-07, B-09, B-14, B-16 - B-18, B-21, B-23 - B-25, C-01, C-02, C-06, T-04 - T-08, T-10, T-13 - T-18, T-22 - T-24, T-28 - T-31, T-34 - T-36, T-38 - T-44, T-54 - T-58, T-60 - T-66.

References. MCWP-3-25.4, JP 3-09.3, JP 3-60, MCRP 3-16.1F.

External Syllabus Support. External C3 agencies.

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| CBA-301 | R | TACC | L/S |
|---------|---|------|-----|

Goal. Monitor Close Battle Cell activity.

Requirement. Perform as a CBA during an exercise.

Performance Standards. Demonstrate the ability to:

- (1) Maintain current situational awareness concerning air missions in support of the Marine Component close battle.
- (2) Analyze in-flight reports/BHA's and coordinate with the intelligence watch section for simultaneous review and processing.
- (3) Assess the close battle and the requirement to shift ATO assets to support the ongoing battle.
- (4) Coordinate with the Close Battle Coordinator, the Ground Watch Section, the Marine Component air officer, the Combat Service Support Element, and the Force Fires Coordination Center to maintain situational awareness.
- (5) Coordinate with the Close Battle Cell concerning theater asset availability before recommending a course of action to the SWO.
- (6) Successfully complete 80% of the above listed standards.

Prerequisite. CBA-300.

References. MCWP-3-25.4, JP 3-09.3, JP 3-60, MCRP 3-16.1F.

External Syllabus Support. External C3 agencies.

QUAL-380 R E TACC L/S

Goal. Qualify the TACCO as a CBA.

Requirement. Perform as a CBA during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All standards listed in CBA-300 and CBA-301.
- (2) Successfully complete 80% of the listed standards.

Prerequisites. CBA-300 and CBA-301.

References. MCWP-3-25.4, JP 3-09.3, JP 3-60, MCRP 3-16.1F.

External Syllabus Support. External C3 agencies.

2. Deep Battle Analyst Training

a. Purpose. To develop the TACCO'S skills required for the Deep Battle Analyst (DBA) qualification and to provide a means for a TACCO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for DBA qualification.

(b) The TACCO will monitor and assess the effectiveness of all aviation functions in support of the deep battle.

(c) At least one live DBA performance event will be conducted with a full TACC crew during an exercise.

(2) Prerequisite. Combat Qualified in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a DBA billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 300 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

DBA-310 R TACC L/S

Goal. Perform targeting analysis as a DBA.

Requirement. Perform targeting analysis as a DBA during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Review Marine Component targeting guidance and combat assessment data (e.g. BHA, munitions effectiveness) in order to provide ATO input to planned events at least four hours prior to execution.
- (2) Coordinate with the intelligence watch section concerning updated targeting and BHA information.
- (3) Coordinate with the intelligence watch section concerning current/projected enemy capabilities, critical enemy vulnerabilities, and potential courses of action.
- (4) Monitor Marine Component targeting guidance updates.
- (5) Recommend ordnance configuration changes, in response to changes to target priorities and weather conditions, as required.
- (6) Advise the SWO on the real-time employment of air assets to support the deep battle.
- (7) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-200, SYS-201, SYS-204, and SYS-205.
- (2) MAGTF Staff Training Program.
- (3) Academics: A-01, A-04 - A-07, A-09, A-12, A-13, B-06, B-07, B-09, B-14, B-16 - B-18, B-21, B-23 - B-25, C-01, C-02, C-06, T-04 - T-08, T-10, T-13 - T-18, T-22 - T-24, T-28 - T-31, T-34 - T-36, T-38 - T-44, T-54 - T-58, T-60 - T-66.

References. MCWP-3-25.4, JP 3-09.3, JP 3-60, MCRP 3-16.1F.

External Syllabus Support. External C3 agencies.

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| DBA-311 | R | TACC | L/S |
|---------|---|------|-----|

Goal. Monitor Deep Battle Cell activity.

Requirement. Perform as a DBA during an exercise.

Performance Standards. Demonstrate the ability to:

- (1) Maintain current situational awareness concerning air missions in support of the Marine Component deep battle.
- (2) Analyze in-flight reports/BHA's and coordinate with the intelligence watch section for simultaneous review and processing.

- (3) Assess the deep battle and the requirement to shift ATO assets to support the ongoing battle.
- (4) Coordinate with the Deep Battle Coordinator, the Ground Watch Section, the Marine Component air officer, and the Force Fires Coordination Center to maintain situational awareness.
- (5) Coordinate with the Deep Battle Cell concerning theater asset availability before recommending a course of action to the SWO.
- (6) Successfully complete 80% of the above listed standards.

Prerequisite. DBA-310.

References. MCWP-3-25.4, JP 3-09.3, JP 3-60, MCRP 3-16.1F.

External Syllabus Support. External C3 agencies.

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| <u>QUAL-381</u> | <u>R E</u> | <u>TACC</u> | <u>L</u> |
|-----------------|------------|-------------|----------|

Goal. Qualify the TACCO as a DBA.

Requirement. Perform as a DBA during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Standards listed in DBA-310 and DBA-311.
- (2) Successfully complete 80% of the listed standards.

Prerequisites. DBA-310 and DBA-311.

References. MCWP-3-25.4, JP 3-09.3, JP 3-60, MCRP 3-16.1F.

External Syllabus Support. External C3 agencies.

3. ATO Production Officer Training

a. Purpose. To refine the TACCO's skills required for designation as an ATO Production Officer (ATOPRO) and provide a means for the designated ATOPRO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for ATOPRO qualification.

(b) By syllabus completion, the ATOPRO must demonstrate proficiency in supervising the ATO production cell in the technical construction and dissemination of the ATO, SPINS, and ACP/ADP inputs.

(c) At least one live and one simulated ATOPRO performance event will be conducted during an exercise.

(d) Combat Ready and Combat Qualification training can be conducted concurrently.

(2) Prerequisite. Combat Qualified in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a ATOPR billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 300 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew is required.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

| ATOPRO-320 | R | TACC | L |
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Goal. Perform ATO production functions.

Requirement. Supervise the production and dissemination of an ATO.

Performance Standards. Supervise the ATO Production cell in the following areas:

- (1) Receive and review the target planning worksheets from the ATO planning cell and input listed targets into the applicable electronic planning medium.
- (2) Prepare ATO, SPINS, and ACP/ADP changes in accordance with the information, data, and guidance provided by the ATO planning cell.
- (3) Print and deliver draft copies of the ATO for review by the ATO planning cell prior to release or forwarding.
- (4) Maintain electronic connectivity with the JFACC for the submission of common sourced target nominations and the merging of the Marine Component direct support sorties into the ATO.
- (5) Publish/transmit the ATO to higher, adjacent, and subordinate commands using available electronic means in accordance with the dissemination plan.
- (6) Monitor the status of the theater directed electronic planning and execution medium associated equipment to identify maintenance requirements and equipment problems.
- (7) Successfully complete 80% of the above listed standards.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

Prerequisite.

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- (1) JAC2C recommended but not required.
- (2) ABOC.
- (3) SYS-200, SYS-204.
- (4) Academics: A-01 - A-09, A-12 - A-14, B-06, B-16 - B-18, B-21, B-23 - B-25, C-01 - C-05, T-01, T-04, T-06, T-13 - T-15, T-17, T-22, T-23, T-30, T-34, T-37 -T-38, T-40, T-54 - T-56, T-58 - T-60.

External Syllabus Support. None.

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| <u>ATOPRO-321</u> | <u>R</u> | <u>TACC</u> | <u>L/S</u> |
|-------------------|----------|-------------|------------|

Goal. Perform as an ATOPRO.

Requirement. Supervise the production and dissemination of an ATO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Standards listed in ATOPRO-320.
- (2) Successfully complete 80% of the listed standards.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

Prerequisite. ATOPRO-320.

External Syllabus Support. None.

| | | | |
|-----------------|------------|-------------|------------|
| <u>QUAL-382</u> | <u>R E</u> | <u>TACC</u> | <u>L/S</u> |
|-----------------|------------|-------------|------------|

Goal. Qualify the TACCO as an ATOPRO.

Requirement. Supervise the production and dissemination of an ATO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in ATOPRO-320.
- (2) Successfully complete 80% of above standards listed.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

Prerequisite. ATOPRO-321.

External Syllabus Support. None.

4. Orders Development Officer Training

a. Purpose. To develop skills required for the Orders Development Officer (ORDO) qualification and to provide a means for a TACCO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for ORDO qualification.

(b) By syllabus completion, the TACCO must demonstrate proficiency in supervising the development of ACE operations/frag orders and conducting current planning for aviation requirements/events that occur beyond the ATO currently being planned but short of the next frag order being developed.

(2) Prerequisite. Combat Qualified in primary MOS.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 300 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew is required.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

| | | | |
|----------|---|------|-----|
| ORDO-330 | R | TACC | L/S |
|----------|---|------|-----|

Goal. Perform as an ORDO.

Requirement. Supervise the Orders Development Section during an exercise.

Performance Standards. Demonstrate proficiency in the following Orders Development areas:

- (1) Stand up of the operational planning team.
- (2) Development of operations orders/frag orders based upon support plans prepared by the future plans section.
- (3) Plan and coordinate the following to meet planned aviation needs beyond the ATO timeline, but short of the next major change to the major subordinate command mission being developed by future plans:
 - (a) Helicopter Operations (tasking, routes, escort).
 - (b) Projected strike packages.
 - (c) CSAR/TRAP/CASEVAC operations.

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- (d) Suppression of Enemy Air Defense (SEAD) operations.
 - (e) Air command and control support requirements.
 - (f) Aviation support requirements.
- (4) Assist with those functions required to meet ATO timelines.
 - (5) Coordinate with the ATO Development Officer and the Future Operations Officer in matters pertaining to orders development and near-term plans and requirements.
 - (6) Prepare plans associated with reorganization, liaison, augmentation, and connectivity required to assume JFACC/JAOC responsibilities, as required.
 - (7) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) MAGTF Staff Training Program.
- (2) JDACC (recommended, not required)
- (3) SYS-200, SYS-204.
- (4) Academics: A-01 - A-09, A-12 - A-14, B-06, B-16 - B-18, B-21, B-23 - B-25, C-01 - C-06, T-01, T-04, T-06, T-08, T-13 - T-15, T-17, T-22 - T-25, T-30, T-34, T-36 - T-40, T-50, T-54 - T-56, T-58 - T-66.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. None.

| | | | |
|----------|---|------|-----|
| ORDO-331 | R | TACC | L/S |
|----------|---|------|-----|

Goal. Perform as an ORDO.

Requirement. Perform as an ORDO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All standards listed in ORDO-330.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. ORDO-330.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. None.

| | | | |
|----------|-----|------|-----|
| QUAL-383 | R E | TACC | L/S |
|----------|-----|------|-----|

Goal. Qualify the TACCO as an ORDO.

Requirement. Perform as an ORDO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in ORDO-330.
- (2) Successfully complete 80% of above standards listed.

Prerequisite. ORDO-331.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

5. ATO Plans Officer Training

a. Purpose. To develop the skills required for designation as an ATO Plans Officer (ATOPLO) and provide a means for the designated ATOPLO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for ATOPLO qualification.

(b) At the completion of this syllabus, the TACCO must demonstrate proficiency in supervising the ATO planning cell in performing the weaponeering and force application functions in the development of the Marine component master air attack plan.

(2) Prerequisite. Combat Ready stage of training complete.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 300 level syllabus.

c. Crew Requirements. A core competent, task-organized Future Operations section will be required for the higher-level evaluated events.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

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|------------|---|------|---|
| ATOPLO-360 | R | TACC | L |
|------------|---|------|---|

Goal. Direct ATO planning.

Requirement. Perform as the ATOPL.

Performance Standards. Supervise the ATO Planning Section of the TACC in the following areas:

- (1) Receive and review the Marine component master air attack plan.
- (2) Prepare the Marine component master air attack plan to include:
 - (a) Sequencing and deconflicting apportioned air assets against the MAGTF/JFC prioritized target list.
 - (b) Weaponing and packaging air assets, as required, based on the threat, desired level of destruction and timeliness.
 - (c) Deconflicting simultaneous missions by other MAGTF/JFC lethal/non-lethal assets.
- (3) Prepare sortie availability charts.
- (4) Prepare aircraft flow sheets.
- (5) Separate the Marine Component prioritized target list according to target sourcing (direct support targets/ common sourced targets) for submission to the joint force commander.
- (6) Review and input any database changes to the aircraft laydown, standard configuration loads, and aircraft parametric data.
- (7) Direct the preparation of the target planning worksheets and submit them to the ATO production cell for input into TBMCS.
- (8) Direct the preparation of the special instructions (SPINS), and any changes to the airspace control order and air defense plan for incorporation into the ATO.
- (9) Perform the final review of the ATO before release/forwarding.
- (10) Ensure the excess sortie flow and target planning worksheets are forwarded to the Marine liaison cell in the AOC combat plans division.
- (11) Make adjustments to force packaging, routing, weapons loadout, or other tactics.
- (12) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) JAC2C.
- (2) Academics: T-25, T-36, T-37, T-64.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. None.

Goal. Perform as an ATOPLO.

Requirement. Perform as an ATOPLO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All standards listed in ATOPLO-360.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. ATOPLO-360.

Reference. See ATOPLO-360.

External Syllabus Support. None.

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|-----------------|------------|-------------|------------|
| <u>QUAL-384</u> | <u>R E</u> | <u>TACC</u> | <u>L/S</u> |
|-----------------|------------|-------------|------------|

Goal. Qualify the TACCO as an ATOPLO.

Requirement. Perform as an ATOPLO during an exercise,.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in ATOPLO-361.
- (2) Successfully complete 80% of above standards listed.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

Prerequisite. ATOPLO-361.

External Syllabus Support. None.

6. Combat Qualified Designations

a. Purpose. To designate the TACCO as a Close Battle Analyst (CBA), Deep Battle Analyst (DBA), ATO Production Officer (ATOPRO), Orders Development Officer (ORDO), and ATO Plans Officer (ATOPLO).

b. General

(1) Administrative Notes

(a) A TACCO will be considered for designation upon completion of all events contained within the three phases of training (academic, performance, and evaluation).

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(b) A review of the MPR will be conducted and the TACCO will be certified by a designated SAC/MAW G3. A recommendation for designation will be staffed to the MAW commander's designated representative.

(c) The TACCO designation letter, with any waivers, deferments or endorsements, will be filed in the individual's MACCS Performance Record.

(2) Prerequisite. Completion of the applicable Combat Qualification stage of training.

- c. Crew Requirements. None.
- d. Academic Training. None.
- e. Designation Events (5 Events)

DESG-390 TACC

Goal. Designate the TACCO as a CBA.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-380.

Reference. None.

DESG-391 TACC

Goal. Designate the TACCO as a DBA.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-381.

Reference. None.

DESG-392 TACC

Goal. Designate the TACCO as an ATOPRO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-382.

Reference. None.

DESG-393 TACC

Goal. Designate the TACCO as an ORDO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-383.

Reference. None.

DESG-394 TACC

Goal. Designate the TACCO as an ATOPLO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-384.

Reference. None.

335. FULL COMBAT QUALIFICATION TRAINING

1. Senior Watch Officer Training

a. Purpose. To refine the skills required for the Senior Watch Officer (SWO) qualification and to provide a means for a SWO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for SWO Qualification.

(b) The TACCO must demonstrate proficiency in supervising the Current Operations Section to ensure that action is taken to optimize the employment of aviation resources.

(c) At least one live Senior Watch Officer performance event will be conducted with a full TACC crew during an exercise.

(2) Prerequisites. MAW Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, and Joint Air Tasking Order Process Course. The aforementioned courses may be waived based upon performance during a sustained operation.

(3) Refresher Training. Refresher training is required once a combat qualified SWO has been absent from a SWO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 600 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

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|---------|---|------|-----|
| SWO-400 | R | TACC | S/L |
|---------|---|------|-----|

Goal. Perform as a SWO.

Requirement. Perform as a SWO during an exercise.

Performance Standards. Demonstrate proficiency in the accomplishment/supervision of the following:

- (1) Supervise the execution of the ATO by:
 - (a) Ensuring that situation and status displays are current and accurate.
 - (b) Evaluating the capability of available forces to fulfill ATO tasking and recommending a course of action to the Current Operations Officer when there is a shortfall.
 - (c) Keeping the Current Operations Officer informed on unanticipated developments or problems that may impact planned operations.
 - (d) Make adjustments to the published ATO when required by the current situation.
 - (e) Issuing and documenting ATO adjustments.
- (2) Demonstrate familiarity with all aspects of air operations, to include force beddown, sortie availability, airspace control measures, communications, rules of engagement, aircraft capabilities/limitations, and munitions capabilities.
- (3) Effect coordination with senior watch officers of subordinate, adjacent, and senior air/ground agencies.
- (4) Monitor reporting of all events.
- (5) Adjudicate with the MAGTF/AOC any immediate JTARS/JTASRs that exceed the current planned allocation.
- (6) Determine reporting responsibilities and establish procedures for preparing reports from Current Operations for the commander's situation report, commander's daily briefing, and as directed by the Current Operations Officer.
- (7) Perform the functions of the Current Operations Officer, as required.
- (8) Successfully complete 80% of the above listed standards.

Prerequisite.

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- (1) Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, and Joint Aerospace Command and Control Course. The aforementioned courses may be waived based upon performance during a sustained operation.
- (2) Academics: B-1 - B-6, B-14, B-18, B-20, B-21, B-23, C-01 - C-06, T-07 - T-10, T-13 - T-18, T-22 - T-26, T-29 - T-30, T-32, T-33, T-36 - T-38, T-40 - T-44, T-50, T-54 - T-56, T-58, T-60 - T-66.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

| | | | |
|----------------|----------|-------------|------------|
| <u>SWO-401</u> | <u>R</u> | <u>TACC</u> | <u>L/S</u> |
|----------------|----------|-------------|------------|

Goal. Perform as a SWO.

Requirement. Perform as a SWO during as exercise.

Performance Standards. Demonstrate proficiency in the accomplishment/supervision of the following:

- (1) All standards listed in SWO-400.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. SWO-400.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

| | | | |
|-----------------|------------|-------------|------------|
| <u>QUAL-480</u> | <u>R E</u> | <u>TACC</u> | <u>L/S</u> |
|-----------------|------------|-------------|------------|

Goal. Qualify the TACCO as a SWO.

Requirement. Perform as a SWO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in SWO-400.
- (2) Successfully complete 80% of the listed standards.

Prerequisite. SWO-401.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. External C3 agencies.

3. ATO Development Officer Training

a. Purpose. To refine the skills required for the ATO Development Officer (ATODO) qualification and to provide a means for the ATODO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for ATODO qualification.

(b) By syllabus completion, the ATODO must demonstrate proficiency in supervising the conduct of the ATO planning and ATO production cells within the Future Operations section.

(c) At least one live ATO Development Officer performance event will be conducted with a full TACC crew during an exercise.

(2) Prerequisites. Combat Qualified in primary MOS and successful completion of JAC2C.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (3 Events)

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|-----------|---|------|---|
| ATODO-410 | R | TACC | L |
|-----------|---|------|---|

Goal. Perform as an ATODO.

Requirement. Perform as an ATODO during an exercise.

Performance Standards. Demonstrate proficiency in the accomplishment/supervision of the following:

- (1) Production of a timely and executable ATO.
- (2) Ensure aviation and intelligence databases required for ATO planning and productions are current and accurate.
- (3) Coordinate with the deep and close battle cells in current operations to receive feedback on published ATO.
- (4) Coordinate with the SWO in current operations to ensure timely receipt of current battle information and monitor

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changes to the ATO being executed, which could affect the ATO(s) under development.

- (5) Maintain contact with the joint air operations center (JAOC) combat plans division.
- (6) Head the combat assessment board with BHA input from the target intelligence officer and munitions effectiveness and strike profiles from the flying units.
- (7) Provide results of combat assessment board to the air officer and JAOC combat plans division.
- (8) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) Combat Qualified in primary MOS.
- (2) JAC2C.
- (3) Academics: A-01 - A-09, A-12 - A-14, B-06, B-17 - B-18, C-01 - C-05, T-06, T-13 T-15, T-22, T-23, T-30, T-34, T-37, T-54 - T-56, T-58 - T-60.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. None.

| | | | |
|-----------|---|------|-----|
| ATODO-411 | R | TACC | L/S |
|-----------|---|------|-----|

Goal. Perform as an ATODO.

Requirement. Perform as an ATODO during an exercise.

Performance Standards. Demonstrate proficiency in the accomplishment/supervision of the following:

- (1) Provide input to the SWO pertaining to the development of the current ATO for incorporation into the current operations crew brief.
- (2) The standards listed in ATODO-410.
- (3) Successfully complete 80% of the listed standards.

Prerequisites. ATODO-410.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. External C3 agencies.

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| QUAL-481 | R E | TACC | L/S |
|----------|-----|------|-----|

Goal. Qualify the TACCO as an ATODO.

Requirement. Perform as an ATODO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in ATODO-410 and ATODO-411.
- (2) Successfully complete 80% of above standards listed.

Prerequisite. ATODO-411.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. External C3 agencies.

4. Full Combat Qualification Designation.

a. Purpose. To designate the TACCO as a SWO and an ATODO.

b. General

(1) Administrative Notes

(a) A TACCO will be considered for designation upon completion of all events contained within the three phases of training (academic, performance, and evaluation).

(b) The MAW G3 will conduct a review of the TACCO's MPR and certify that the TACCO is qualified for designation in the applicable billet. The SWO designation will be forwarded to the MAW CG for signature. The ATODO designation will be forwarded to the MAW Commander's designated representative.

(c) The TACCO designation letter, with any waivers, deferments or endorsements, shall be filed and maintained in their MACCS Performance Record.

(2) Prerequisite. Completion of the applicable Full Combat Qualification stage of training.

c. Crew Requirements. None.

d. Academic Training. None.

e. Designation Events (2 Events)

DESG-490 TACC

Goal. Designate the TACCO as a SWO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-480.

Reference. None.

DESG-491

TACC

Goal. Designate the TACCO as an ATODO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-481.

Reference. None.

336. SPECIAL SKILL QUALIFICATION TRAINING

1. Air Defense Coordinator Training

a. Purpose. To refine the TACCO's skills required for designation as an Air Defense Coordinator (ADC) and provide a means for the designated ADC to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for ADC qualification.

(b) During designated events, the TACCO must demonstrate proficiency in coordinating air defense assets within the AO, maintaining Situational Awareness, utilization of proper report formats, communication procedures, and functioning as a member of the Current Operations Section.

(c) At least one live and one simulated ADC performance event will be conducted during an exercise.

(d) Combat Ready and Combat Qualification training may be conducted concurrently.

(2) Prerequisites.

(1) Combat Qualified in primary MOS.

(2) Previous TACC experience within Current Operations.

(3) Refresher Training. Refresher training is required once a combat qualified ADC has been absent from an ADC billet for 24 months or longer. Upon return to an appropriate billet the ADC will complete the "R" coded events in the 600 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (4 Events)

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|---------|---|------|---|
| ADC-600 | R | TACC | L |
|---------|---|------|---|

Goal. Conduct air defense planning.

Requirement. Participate in Air Defense Cell Planning.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Prepare the air defense portion of the TACC crew brief.
- (2) Review applicable planning documents (OPORD, ATO, ACO, ADP, OPTASKAAW, TACOPDAT, intentions message, etc.) and assist in the development of the air defense plan for the assigned area.
- (3) Perform threat analysis for defended assets.
- (4) Review and make recommendations for modification of airspace/air defense control measures, as required.
- (5) Conduct TMD planning, as required.
- (6) Participate in the planning of emissions/radiation control measures.
- (7) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-204
- (2) Academics: Completion of the MACCS Academic COI (200 level), B-01 - B-03, B-07, B-08, B-10 -B-12, B-14, B-16, B-18, B-19, C-01 - C-06, T-01 - T-04, T-06, T-07, T-09 - T-11, T-13 - T-16, T-18, T-21 - T-26, T-28 - T-30, T-32 - T-35, T-38, T-39, T-42 - T-44, T-50, T-54, T-56, T-58, T-60, T-63, T-66.

References. MCWP 3-25 series.

External Syllabus Support. None.

| | | | |
|---------|---|------|-----|
| ADC-601 | R | TACC | S/L |
|---------|---|------|-----|

Goal. Perform as an ADC.

Requirement. Perform as an ADC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Conduct the air defense portion of the TACC crew brief.
- (2) Monitor, supervise and coordinate the control of aircraft and missiles for air defense by subordinate/adjacent C3 agencies.
- (3) Coordinate the air defense operations of subordinate and external agencies, as directed.
- (4) Initiate orders to air defense agencies and countermand subordinate agency actions, as required.
- (5) Monitor the equipment status and operational posture of C3 agencies relative to air defense, as required.
- (6) Coordinate the establishment and dissemination of air defense warning conditions/weapons control status/states of alert.
- (7) Coordinate with the SADC/RADC/AADC concerning the execution of air defense missions.
- (8) Exercise authority, as may be delegated by the ACE commander, SWO, and SAC, to:
 - (a) Cancel missions and launches of preplanned missions in cases where requirements no longer exist.
 - (b) Divert preplanned missions and provide mission briefings.
 - (c) Adjust scheduled launch times to meet new time-on-station requirements generated by changing tactical situations.
 - (d) Direct launches of unscheduled missions and provide mission briefings.
 - (e) Coordinate the scramble and reconstitution of on-call (strip alert) missions.
- (9) Ensure that information is kept current and that the SAC is updated concerning the air defense situation.
- (10) Coordinate:
 - (a) The modification of ADCMs, as required.
 - (b) Changes to sectors of responsibility, as required.
 - (c) Changes to established ROE, as required.
 - (d) Changes to EMCON/RADCON status, as required.
 - (e) The flow of air defense information/reports.
- (11) Ensure that established cross-tell procedures are utilized by the air defense section, as required.
- (12) Maintain appropriate logs.
- (13) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-200, SYS-201, SYS-203, SYS-204, SYS-206.

- (2) Academics: Completion of the MACCS Academic COI (200 level), B-01 - B-03, B-07, B-08, B-10 -B-12, B-14, B-16, B-18, B-19, C-01 - C-06, T-01 - T-04, T-06 - T-11, T-13 - T-16, T-18, T-21 - T-26, T-28 - T-30, T-32 - T-35, T-38 - T-39, T-42 - T-44, T-50, T-54, T-56, T-58, T-60, T-63, T-66.

References. MCWP 3-25 series, Joint Pubs 3-01.4 and 3-01.5.

External Syllabus Support. External C3/AD agencies.

| | | | |
|----------------|----------|-------------|------------|
| <u>ADC-602</u> | <u>R</u> | <u>TACC</u> | <u>L/S</u> |
|----------------|----------|-------------|------------|

Goal. Perform as an ADC.

Requirement. Perform as the ADC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Demonstrate proficiency in all the requirements identified in ADC-601.
- (2) Successfully complete 80% of the above listed standards.

Prerequisites. ADC-600 and ADC-601.

References. MCWP 3-25 series, Joint Pubs 3-01.4 and 3-01.5.

External Syllabus Support. External C3/AD agencies.

| | | | |
|-----------------|------------|-------------|----------|
| <u>QUAL-680</u> | <u>R E</u> | <u>TACC</u> | <u>L</u> |
|-----------------|------------|-------------|----------|

Goal. Qualify the TACCO as an ADC.

Requirement. Perform as an ADC during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in ADC-600 and ADC-601.
- (2) Successfully complete 80% of above standards listed.

Prerequisite. ADC-601.

References. MCWP 3-25 series, Joint Pubs 3-01.4 and 3-01.5.

External Syllabus Support. External C3/AD agencies.

2. Air Tasking Order/Airspace Control Order Planner (AAP) Training

- a. Purpose. To refine the TACCO's skills required for designation as an AAP and provide a means for the designated AAP to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for AAP qualification.

(b) The TACCO must demonstrate proficiency in conducting Future Operations planning for Air Defense, Airspace/Control Measures and Air Support operations.

(c) Non-qualification, evaluated events will be supervised by a designated AAP.

(d) Combat Ready and Combat Qualification training can be conducted concurrently.

(2) Prerequisites. Completion of the MACCS Academic COI (200 level and designated 600 level courses). Completion of the Combat Ready stage of training is required prior to the qualification event, QUAL-381.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 300 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the qualification event.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (4 Events)

AAP-610 R E TACC L

Goal. Conduct airspace/control measures planning.

Requirements. Perform as AAP during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Coordinate and assist in the establishment of Letters of Agreement/Memoranda of Agreement with external agencies (FAA, ICAO, host nation) to define and delegate areas of control jurisdiction and conditions of use.
- (2) Coordinate airspace requirements and utilization procedures between the GCE, ACE, CSSE, and external agencies to ensure safe and orderly control and movement of aircraft within the AO.
- (3) Develop, review and standardize air traffic control procedures within the AO.

- (4) Coordinate and publish an ATC contingency plan to allow for continuity of aircraft operations.
- (5) Delegating responsibility for control of aircraft within the OPORD/ATO.
- (6) Develop routing procedures for the AO that are deconflicted with FSCMs/ADCMs/ACMs to allow safe and efficient movement of aircraft throughout the AO.
- (7) Establish airspace control measures within the AO, as required.
- (8) Enter required C2 information into the applicable TBMCS database(s).
- (9) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) SYS-200, SYS-204
- (2) Academics: A-01 - A-09, A-12 - A-14, B-06, B-17 - B-18, C-01 - C-05, T-06, T-13 - T-15, T-22, T-23, T-30, T-34, T-37, T-54 - T-56, T-58 - T-60.

References. MCWP 3-25 series, local SOPs, FMFRP 5-61.

External Syllabus Support. None.

| | | | |
|----------------|------------|-------------|----------|
| <u>AAP-611</u> | <u>R E</u> | <u>TACC</u> | <u>L</u> |
|----------------|------------|-------------|----------|

Goal. Conduct air defense planning.

Requirements. Perform as an AAP during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Review applicable planning documents (OPORD, ATO, ACO, ADP, OPTASKAAW, TACOPDAT, intentions message, etc.) and assist in the development of the air defense plan.
- (2) Review and make recommendations for modification of airspace/air defense control measures, as required.
- (3) Conduct TMD planning, as required.
- (4) Participate in the planning and development of emissions/radiation control measures.
- (5) Assist in the development of the destruction area.
- (6) Recommend changes to air defense asset positioning and weapons resupply procedures.
- (7) Successfully complete 80% of the above listed standards.

References. MCWP 3-25 series.

Prerequisites.

- (1) SYS-200, SYS-201, SYS-204, SYS-206.
- (2) Academics. A-03, A-08, B-01 - B-05, B-08, B-16, C-01 -C-02, C-06, T-01 - T-03, T-11, T-21, T-25, T-58, T-59, T-63.

References. MCWP 3-25 series.

External Syllabus Support. None.

AAP-612 R E TACC L

Goal. Conduct Air Support planning.

Requirements. Perform as an AAP during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) Review applicable planning documents (OPORD, ATO, ACO, ACP, etc.) and assist in the development of the MAGTF air battle plan.
- (2) Review and make recommendations for modification of airspace/fire support coordination measures.
- (3) Assist in TMD Attack Operations planning.
- (4) Assist in the planning of emissions control measures.
- (5) Assist in the planning for CASEVAC operations.
- (6) Recommend changes to asset positioning and logistical/communications requirements (e.g. FARP/FOB).
- (7) Successfully complete 80% of the above listed standards.

Prerequisites. Academics: A-01 - A-09, A-12 - A-14, B-06, B-17 - B-18, C-01 - C-05, T-05 - T-07, T-13 - T-15, T-22, T-23, T-30, T-34, T-37, T-54 - T-56, T-58 - T-60.

References. MCWP 3-25 series, MCWP 3-23.1, local SOPs.

QUAL-681 R E TACC L/S

Goal. Qualify the TACCO as an AAP.

Requirements. Perform as an AAP during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in AAP-610, 611, or 612.
- (2) Assist in the final review of the ATO before release/forwarding.
- (3) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) Completion of the Combat Ready stage of training.
- (2) AAP-610, AAP-611, AAP-612.

References. MCWP 3-23.1, MCWP 3-25 series, local SOPs, FMFRP 5-61.

External Syllabus Support. External C3 agencies.

3. Current Operations Officer Training

a. Purpose. To refine the skills required for the Current Operations Officer (COPSO) qualification and to provide a means to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for COPSO Qualification.

(b) By syllabus completion, the TACCO must demonstrate proficiency in supervising the current operations section to ensure that action is taken to optimize the employment of aviation resources.

(2) Prerequisites. Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, and Joint Air Tasking Order Process Course. The aforementioned courses may be waived based upon performance during a sustained operation.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 600 level syllabus.

c. Crew Requirements. A core competent, task-organized TACC crew will be required for the higher-level evaluated events.

d. Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (2 Events)

| COPS-620 | R | TACC | L/S |
|----------|---|------|-----|
|----------|---|------|-----|

Goal. Perform as a COPSO.

Requirement. Perform as a COPSO during an exercise.

Performance Standards. Demonstrate proficiency in the accomplishment/supervision of the following:

- (1) Supervise the preparation and set up of Current Operations
- (2) Supervise the execution of the current ATO by:
 - (a) Evaluating the capability of available assets to fulfill ATO tasking and develop a course of action when there is a shortfall.

- (b) Keeping the ACE Commander informed of unanticipated developments or problems that may impact planned operations.
 - (c) Making adjustments to the published ATO when required by the current situation.
-
- (3) Demonstrate familiarity with all aspects of air operations, to include force beddown, sortie availability, airspace control measures, communications, rules of engagement, aircraft capabilities/limitations, and munitions capabilities.
 - (4) Effect coordination with adjacent and senior air/ground agencies.
 - (5) Provide the Future Operations Officer with a summary of significant problems encountered in executing the current ATO to improve the quality and effectiveness of future ATO tasking.
 - (6) Ensure that backup procedures are prepared and can be rapidly implemented if automated support systems fail.
 - (7) Prepare reports from Current Operations for the Commander's situation report, commander's daily briefing, and as directed by the ACE Commander.
 - (8) Successfully complete 80% of the above listed standards.

Prerequisites

- (1) Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, and Joint Aerospace Command and Control Course. The aforementioned courses may be waived based upon performance during a sustained operation.
- (2) Academics: B-1 - B-6, B-14, B-18, B-20, B-21, B-23, C-01 - C-06, T-07 - T-10, T-13 - T-18, T-22 - T-26, T-29 - T-30, T-32, T-33, T-36 - T-38, T-40 - T-44, T-50, T-54 - T-56, T-58, T-60 - T-66.
- (3) MAGTF Staff Training Program.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. External C3 agencies.

| | | | |
|----------|-----|------|-----|
| QUAL-682 | R E | TACC | L/S |
|----------|-----|------|-----|

Goal. Qualify the TACCO as a COPSO.

Requirement. Perform as a COPSO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in COPS-620.
- (2) Successfully complete 80% of the above listed standards.

Prerequisite. COPS-620.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. External C3 agencies.

4. Future Operations Officer Training

a. Purpose. To refine the skills required for the Future Operations Officer (FOPSO) qualification and to provide a means to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for FOPSO qualification.

(b) By syllabus completion, the TACCO must demonstrate proficiency in supervising the conduct of the TACC Future Operations Section.

(2) Prerequisites. Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, and Joint Air tasking Order Process Course. The aforementioned courses may be waived based upon performance during a sustained operation.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 600 level syllabus.

c. Crew Requirements. A core competent, task-organized Future Operations Section is required.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (2 Events)

| FOPS-630 | R | TACC | L |
|----------|---|------|---|
|----------|---|------|---|

Goal. Supervise the conduct of the Future Operations Section.

Requirement. Perform as a FOPSO during an exercise.

Performance Standards. Supervise the Future Operations Section of the TACC in the following areas:

- (1) Draft preliminary targeting guidance for presentation to the ACE targeting board when the ACE is employed as a maneuver unit.
- (2) Supervise the preparation and set up of Future Ops.
- (3) Issue the approved planning guidance and direct and monitor development of the ATO based on that guidance.
- (4) Develop the Marine component master air attack plan (MAAP).
- (5) Prepare the air allocation request (ALLOREQ)/air support request (AIRSUPREQ) messages, as required.
- (6) Prepare the sortie allotment (SORTIEALLOT) message (if JFACC).
- (7) Develop the ACE apportionment recommendation.
- (8) Review the results of previous air operations and ensure that applicable tactics or procedures are developed as the dynamic combat situation requires (combat assessment).
- (9) Consult with the Current Ops Officer to determine significant problems in managing the current ATO to improve the quality and effectiveness of future ATO tasking.
- (10) Prepare reports from future operations for the commander's situation report, commander's daily briefing, and as directed by the ACE Commander.
- (11) Ensure that backup procedures are prepared and can be rapidly implemented if automated planning systems fail.
- (12) Attend briefings to the ACE commander concerning upcoming operations about to be put into an ATO.
- (13) Keep Future Ops informed of the JFC/Marine component/ACE commander's guidance, intent, and objectives.
- (14) Receive (transition) the developed ACE support plan and provide to the Orders Development Section for direction to stand up an OPT to prepare a detailed ACE OPORD/FRAGO.
- (15) Ensure all FOPS activities are in compliance with JFC/Marine component battle rhythm.
- (16) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, and Joint Air Tasking Order Process Course. The aforementioned courses may be waived based upon performance during a sustained operation.
- (2) Academics: B-1 - B-6, B-14, B-18, B-20, B-21, B-23, C-01 - C-06, T-07 - T-10, T-13 - T-18, T-22 - T-26, T-29 - T-30, T-32, T-33, T-36 - T-38, T-40 - T-44, T-50, T-54 - T-56, T-58, T-60 - T-66.
- (3) MAGTF Staff Training Program.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual,

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Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. None.

QUAL-683 R E TACC L/S

Goal. Qualify the TACCO as a FOPSO.

Requirement. Perform as the FOPSO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in FOPS-630.
- (2) Successfully complete 80% of above listed standards.

Prerequisite. FOPS-630.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. None.

5. Future Plans Officer Training

a. Purpose. To refine the skills required for the Future Plans Officer (FPNO) qualification and to provide a means for the FPNO to remain current.

b. General

(1) Administrative Notes

(a) Perform all functions for FPNO qualification.

(b) By syllabus completion, the TACCO must demonstrate proficiency in supervising the conduct of the Marine component aviation battle planning within the Future Plans section.

(2) Prerequisites. Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, Joint Air Tasking Order Process Course, and School of Advanced Warfighting (or other Service equivalent). The aforementioned courses may be waived based upon performance during a sustained operation.

(3) Refresher Training. Refresher training is required once a combat qualified TACCO has been absent from a TACCO billet for 24 months or longer. Upon return to an appropriate billet the TACCO will complete the "R" coded events in the 600 level syllabus.

c. Crew Requirements. A core competent, task-organized Future Plans section is required.

d. Academic Training. Academic training may be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited for follow on training events.

e. Live and Simulator Event Training (2 Events)

FPNO-640 R TACC L

Goal. Supervise the conduct of future planning.

Requirement. Perform as an FPNO.

Performance Standards. Supervise the Future Plans Section of the TACC in the following areas by:

- (1) Maintaining close and continuous liaison with Marine component Future Plans.
- (2) Conducting deliberate planning for Marine component operation plans (OPLANs) and follow-on MAGTF missions associated with the current operation.
- (3) Developing aviation courses of action (COAs) for each follow-on MAGTF mission under development.
- (4) Developing aviation estimates of supportability for each follow-on MAGTF mission under development.
- (5) Developing and refining OPLANs/OPORDs associated with each follow-on MAGTF mission.
- (6) Providing detailed and fully integrated deployment, employment, mobilization, and sustainment plans for follow-on MAGTF mission.
- (7) Preparing necessary briefs for COA and/or supportability decision briefs.
- (8) Assisting Future Ops, as required, after the ACE Support Plan is transitioned to the operational planning team (OPT) for OPORD/FRAGO detailed preparation.
- (9) Successfully complete 80% of the above listed standards.

Prerequisites.

- (1) Combat Qualified in primary MOS and has completed the following courses: MAWTS-1 SWO Course, Joint Aerospace Operations Senior Staff Course, Joint Air Tasking Order Process Course, and School of Advanced Warfighting (or other Service equivalent). The aforementioned courses may be waived based upon performance during a sustained operation.
- (2) Academics: B-1 - B-6, B-14, B-18, B-20, B-21, B-23, C-01 - C-06, T-07 - T-10, T-13 - T-18, T-22 - T-26, T-29 - T-30, T-32, T-33, T-36 - T-38, T-40 - T-44, T-50, T-54 - T-56, T-58, T-60 - T-66.
- (3) MAGTF Staff Training Program.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4.

External Syllabus Support. None.

QUAL-684 R E TACC L/S

Goal. Qualify the TACCO as a FPNO.

Requirement. Perform as the FPNO during an exercise.

Performance Standards. Demonstrate proficiency in the following areas:

- (1) All requirements identified in FPNO-640.
- (2) Successfully complete 80% of above listed standards.

Prerequisites. FPNO-640.

References. MCWP-32, MCWP 3-2, MCWP 3-25, MCWP 3-25.2 MCWP 3-25.3, MCWP 3-25.4, FM 100.42, Joint Pub 3-56.1, AGOS Manual, Appropriate Tactics Manual (TACMAN), FMFM 5-1, FMFM 5-4, Joint Staff Officer's Guide.

External Syllabus Support. None.

6. Special Skills Designations

a. Purpose. To designate the TACCO as an Air Defense Coordinator (ADC) and ATO/ACO Planner (AAP), Current Operations Officer (COPSO), Future Operations Officer (FOPSO), and Future Plans Officer (FPNO).

b. General

(1) Administrative Notes

(a) A TACCO will be considered for designation upon completion of all events contained with the three phases of training (academic, performance, and evaluation).

(b) The TACCO shall have a designation letter, with any waivers deferments or endorsements, filed and maintained in their MACCS Performance Record.

(2) Prerequisites.

(a) Completion of the applicable Special Skills stage of training.

(b) Completion of applicable academics, as well as performance and qualification events.

c. Crew Requirements. None.

- d. Academic Training. None.
- e. Designation Events (5 Events)

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Goal. Designate the TACCO as an ADC.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-680.

Reference. None.

DESG-691 TACC

Goal. Designate the TACCO as an AAP.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-681.

Reference. None.

DESG-692 TACC

Goal. Designate the TACCO as a COPSO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-682.

Reference. None.

DESG-693 TACC

Goal. Designate the TACCO as an FOPSO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-683.

Reference. None.

DESG-694

TACC

Goal. Designate the TACCO as a FPNO.

Requirement. None.

Performance Standards. None.

Prerequisite. QUAL-684.

Reference. None.

340. SPECIAL TRAINING REQUIREMENTS. None.

350. EXPENDABLE ORDNANCE REQUIREMENTS. None.

360. PROFICIENCY INTERVALS. Tables 3-14, 3-15, 3-16, and 3-17 contain the proficiency intervals for the combat readiness, combat qualification, full-combat qualification and special skills training levels.

Table 3-14.--TACCO Proficiency Interval for the
Combat Readiness Training Level.

| EVENT | CODE | PROFICIENCY INTERVAL | CRP | T | C | R | E | CONDITIONS & REMARKS |
|-------|------|-------------------------|-----|---|---|---|---|-------------------------|
| SYS | 200 | 24 | 0.5 | | | X | | L |
| | 201 | 24 | 0.2 | | | X | | L |
| | 202 | 24 | 0.2 | | | X | | L/S |
| | 203 | 24 | 0.2 | | | X | | L/S |
| | 204 | 24 | 0.5 | | | X | | L/S |
| | 205 | 24 | 0.2 | | | | | L |
| | 206 | 24 | 0.2 | | | | | L |
| | | | | | | | | |
| CBC | 210 | 24 | 0.5 | | | X | | L |
| | 211 | 24 | 0.5 | | | X | | S/L |
| | 212 | 24 | 0.5 | | | X | | L/S |
| | | | | | | | | |
| DAOM | 220 | 24 | 0.5 | | | X | | L |
| | 221 | 24 | 0.5 | | | X | | S/L |
| | 222 | 24 | 0.5 | | | X | | L/S |
| | | | | | | | | |
| ABT | 230 | 24 | 0.5 | | | X | | L |
| | 231 | 24 | 0.5 | | | X | | S/L |
| | 232 | 24 | 0.5 | | | X | | L/S |
| | | | | | | | | |
| PRC | 240 | 24 | 0.5 | | | X | | L |
| | 241 | 24 | 0.5 | | | X | | S/L |
| | | | | | | | | |
| ORDP | 250 | 24 | 0.5 | | | X | | L |

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| EVENT | CODE | PROFICIENCY INTERVAL | CRP | T | C | R | E | CONDITIONS & REMARKS |
|-------|------|-------------------------|-----|---|---|---|---|-------------------------|
| | | | | | | | | |
| ATOMP | 260 | 24 | 0.5 | | | X | | L |
| | 261 | 24 | 0.5 | | | X | | L/S |
| | | | | | | | | |
| QUAL | 280 | 36.00 | 1 | | | X | X | L |
| | 281 | 36.00 | 1 | | | X | X | L/S |
| | 282 | 36.00 | 1 | | | X | X | L/S |
| | 283 | 36.00 | 1 | | | X | X | L/S |
| | 284 | 36.00 | 1 | | | X | X | L/S |
| | 285 | 36.00 | 1 | | | X | X | L/S |
| | | | | | | | | |
| DESG | 290 | - | 0 | | | | | |
| | 291 | - | 0 | | | | | |
| | 292 | - | 0 | | | | | |
| | 293 | - | 0 | | | | | |
| | 294 | - | 0 | | | | | |
| | 295 | - | 0 | | | | | |

Table 3-15.--TACCO Proficiency Interval for the
Combat Qualification Training Level.

| EVENT | CODE | PROFICIENCY INTERVAL | CRP | T | C | R | E | CONDITIONS & REMARKS |
|--------|------|-------------------------|-----|---|---|---|---|-------------------------|
| CBA | 300 | 24 | 1 | | | X | | L/S |
| | 301 | 24 | 1 | | | X | | L/S |
| | | | | | | | | |
| DBA | 310 | 24 | 1 | | | X | | L/S |
| | 311 | 24 | 1 | | | X | | L/S |
| | | | | | | | | |
| ATOPRO | 320 | 24 | 1 | | | X | | L |
| | 321 | 24 | 1 | | | X | | L/S |
| | | | | | | | | |
| ORDO | 330 | 24 | 1 | | | X | | L/S |
| | 331 | 24 | 1 | | | X | | L/S |
| | | | | | | | | |
| ATOPLO | 360 | 24 | 1 | | | X | | L |
| | 361 | 24 | 1 | | | X | | L/S |
| | | | | | | | | |
| QUAL | 380 | 36 | 2 | | | X | X | L/S |
| | 381 | 36 | 2 | | | X | X | L |
| | 382 | 36 | 2 | | | X | X | L/S |
| | 383 | 36 | 2 | | | X | X | L/S |
| | 384 | 36 | 2 | | | X | X | L/S |
| | | | | | | | | |
| DESG | 390 | - | 0 | | | | | |
| | 391 | - | 0 | | | | | |
| | 392 | - | 0 | | | | | |
| | 393 | - | 0 | | | | | |
| | 394 | - | 0 | | | | | |

Table 3-16.--TACCO Proficiency Interval for the Full-Combat Readiness Training Level.

| EVENT | CODE | PROFICIENCY INTERVAL | CRP | T | C | R | E | CONDITIONS & REMARKS |
|-------|------|-------------------------|------|---|---|---|---|-------------------------|
| SWO | 400 | 24 | 0.5 | | | | | S/L |
| | 401 | 24 | 1 | | | X | | L/S |
| | | | | | | | | |
| ATODO | 410 | 24 | 0.5 | | | X | | L |
| | 411 | 24 | 1 | | | X | | L/S |
| | | | | | | | | |
| QUAL | 480 | 36 | 1 | | | X | X | L/S |
| | 481 | 36 | 1 | | | X | X | L/S |
| | | | | | | | | |
| DESG | 490 | - | 0.00 | | | | | |
| | 491 | - | 0.00 | | | | | |

Table 3-17.--TACCO Proficiency Interval for the Special Skills Training Level.

| EVENT | CODE | PROFICIENCY INTERVAL | CRP | T | C | R | E | CONDITIONS & REMARKS |
|-------|------|-------------------------|-----|---|---|---|---|-------------------------|
| ADC | 600 | 24 | 0 | | | X | | L |
| | 601 | 24 | 0 | | | X | | S/L |
| | 602 | 24 | 0 | | | X | | L/S |
| | | | 0 | | | | | |
| AAP | 610 | 24 | 0 | | | X | X | L |
| | 611 | 24 | 0 | | | X | X | L |
| | 612 | 24 | 0 | | | X | X | L |
| | | | 0 | | | | | |
| COPS | 620 | 24 | 0 | | | X | | L/S |
| | | | 0 | | | | | |
| FOPS | 630 | 24 | 0 | | | X | | L |
| | | | 0 | | | | | |
| FPNO | 640 | 24 | 0 | | | X | | L |
| | | | 0 | | | | | |
| QUAL | 680 | 36 | 0 | | | X | X | L |
| | 681 | 36 | 0 | | | X | X | L/S |
| | 682 | 36 | 0 | | | X | X | L/S |
| | 683 | 36 | 0 | | | X | X | L/S |
| | 684 | 36 | 0 | | | X | X | L/S |
| | | | 0 | | | | | |
| DESG | 690 | - | 0 | | | | | |
| | 691 | - | 0 | | | | | |
| | 692 | - | 0 | | | | | |
| | 693 | - | 0 | | | | | |
| | 694 | - | 0 | | | | | |

370. EVENT UPDATE CHAINING. Table 3-18 contains the event update chaining for the TACCO.

Table 3-18.--TACCO Combat Ready and Combat Qualified Training Event Update Chaining.

| EVENTS | EVENTS UPDATED |
|--------|--|
| 200 | |
| 201 | |
| 202 | |
| 203 | |
| 204 | |
| 205 | |
| 206 | |
| 210 | 208, 207, 206, 205, 200 |
| 211 | 210, 208, 207, 206, 205, 200 |
| 212 | 211, 210, 208, 207, 206, 205, 200 |
| 220 | 208, 207, 206, 205, 200 |
| 221 | 220, 208, 207, 206, 205, 200 |
| 222 | 221, 220, 208, 207, 206, 205, 200 |
| 230 | 205, 200 |
| 231 | 230, 205, 200 |
| 232 | 231, 230, 205, 200 |
| 240 | 207, 206, 205, 200 |
| 241 | 240, 207, 206, 205, 200 |
| 250 | 205.00 |
| 260 | 205.00 |
| 261 | 260, 205 |
| 280 | 212, 211, 210, 208, 207, 206, 205, 200 |
| 281 | 222, 221, 220, 208, 207, 206, 205, 200 |
| 282 | 232, 231, 230, 205, 200 |
| 283 | 241, 240, 207, 206, 205, 200 |
| 284 | 250, 205 |
| 285 | 261, 260, 205 |
| 290 | |
| 291 | |
| 292 | |
| 293 | |
| 294 | |
| 295 | |
| 300 | 208, 207, 205, 200 |
| 301 | 300, 208, 207, 205, 200 |
| 310 | 208, 207, 205, 200 |
| 311 | 310, 208, 207, 205, 200 |
| 320 | 205.00 |
| 321 | 320, 205 |
| 330 | 205.00 |
| 331 | 330, 205 |
| 360 | |
| 361 | 360.00 |
| 380 | 301, 300, 208, 207, 205, 200 |
| 381 | 311, 310, 208, 207, 205, 200 |
| 382 | 321, 320, 205 |

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| EVENTS | | EVENTS UPDATED |
|--------|--|----------------|
| 383 | | 331, 330, 205 |
| 384 | | 361, 360 |
| 390 | | |
| 391 | | |
| 392 | | |
| 393 | | |
| 394 | | |

| EVENTS | | EVENTS UPDATED |
|--------|--|-------------------------|
| 400 | | 206, 205, 200 |
| 401 | | 400, 206, 205, 200 |
| 410 | | |
| 411 | | 410.00 |
| 480 | | 401, 400, 206, 205, 200 |
| 481 | | 411, 410 |
| 490 | | |
| 491 | | |